

**CURRICULUM VITAE of CLAUDE BOUCHARD, PhD**  
Boyd Professor Emeritus, Louisiana State University, Pennington Biomedical Research Center;  
Professeur Émérite, Faculté de Médecine, Université Laval.  
C.M., C.Q., FAAAS, FAHA, FACSM, FTOS, FASN, FCSEP, FAES

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**1. General Information**

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Louisiana State University System  
Pennington Biomedical Research Center  
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Baton Rouge, Louisiana 70808 USA  
[claude.bouchard@pbrc.edu](mailto:claude.bouchard@pbrc.edu)

Date of birth: July 8, 1939  
Citizenship: Canada by birth plus USA since 2012

**Education:**

1962 B.Ped. (Physical Education), Université Laval, Quebec, Canada  
1963 M.Sc. (Exercise Physiology), University of Oregon, Eugene, Oregon, USA  
1977 Ph.D. (Physical Anthropology and Population Genetics), University of Texas at Austin, Texas, USA  
Title of dissertation: Univariate and multivariate genetic analysis of anthropometric and physique characteristics of French-Canadian families (Professor Robert Malina)  
1963-65 Postgraduate training in exercise physiology, Deutsche Sporthochschule, Institute fuer Kreislaufforschung und Sportmedizin, and University of Cologne, Federal Republic of Germany (Professor Wildor Hollmann). Focus of research: exercise and cardiovascular physiology

1977 Postgraduate work, Centre sur la croissance des enfants, Université de Montréal, Montréal, Québec, Canada (Professor Arto Demirjian). Focus of research : variability in indicators of physical growth and the role of familial aggregation

### **Positions:**

1965-72 Assistant Professor, Physical Education, Université Laval, Québec, Canada  
 1969-99 Member of the Physical Activity Sciences Laboratory, Université Laval, Québec, Canada  
 1969-74 Director of the Physical Activity Sciences Laboratory, Université Laval, Québec, Canada  
 1970-73 Associate Dean for Research, Faculty of Educational Sciences, Université Laval, Québec, Canada  
 1972-79 Associate Professor, Physical Education, Université Laval, Québec, Canada  
 1979-97 Professor, Exercise Physiology, Université Laval, Québec, Canada  
 1981-83 Director, Department of Physical Education, Université Laval, Québec, Canada  
 1997-99 Donald B. Brown Research Chair on Obesity funded by Medical Research Council and Roche Canada, Université Laval, Québec, Canada  
 1997-99 Professor of Kinesiology, Dept. of Social and Preventive Medicine, Faculty of Medicine, Université Laval, Québec, Canada  
 1999-10 Executive Director, Pennington Biomedical Research Center, Louisiana State University System, Baton Rouge, Louisiana. George A. Bray Chair in Nutrition, and Director of Human Genomics Laboratory.  
 2016 Boyd Professor, Louisiana State University System, Baton Rouge, Louisiana  
 2010-22 Professor, John W. Barton, Sr. Endowed Chair in Genetics and Nutrition, and Director of Human Genomics Laboratory, Pennington Biomedical Research Center, Louisiana State University System, Baton Rouge, Louisiana.  
 2001+ Professeur émérite, Faculté de Médecine, Université Laval, Québec, Canada.  
 2022+ Boyd Professor Emeritus, Pennington Biomedical Research Center, Louisiana State University System, Baton Rouge, Louisiana, USA

## **2. Awards and Distinctions**

Founding member of the Canadian Association of Sport Sciences, now the Canadian Society for Exercise Physiology, 1967.

Co-recipient (with Wildor Hollmann) of the "Max Bürger Preis" of the German Medical Society for Gerontology, 1969.

Méritas Award from the 'l'Association des professionnels de l'activité physique du Québec (APAPQ), 1972.

Medal of Excellence from the Minister of Youth, Leisure and Sports, Government of Québec, 1974.

Recipient of the 1974 Prize for the book entitled "La préparation d'un champion", edited by C. Bouchard, J. Brunelle and P. Godbout'. Prize awarded by the Sports Confederation of Québec; Sport and Recreation department of Montréal; Organizing Committee of the XXI Olympic Games, (Montréal, 1976); and the Conseil supérieur du livre et la Bibliothèque nationale du Québec, 1974.

Recipient of the "International Association of Higher Schools of Physical Education J.A. Samaranch Prize", for the book edited by Bouchard, C., J. Brunelle, P. Godbout entitled "La préparation d'un champion" (Québec: Editions du Pélican), September 1978.

President, Canadian Society for Exercise Physiology, 1985-1986.

A.S. Lamb Memorial Lecture. McGill University, 1987.

Ellen Brennan Memorial Lecture. University of Texas, Austin, 1988.

Honor Award of the Canadian Association of Sport Sciences, 1988.

William H. Sebrell Lecture. Weight Watchers International and the Institute of Human Nutrition, Columbia University, New York, 1988.

Howard G. Knuttgen Lecture, New England Chapter, American College of Sports Medicine. Marlborough, MA, 1991.

President of the North American Association for the Study of Obesity (now The Obesity Society), 1991-1992.

Citation Award, American College of Sports Medicine, Dallas, Texas, 1992.

Connaught-Novo-Nordisk Award of the Canadian Diabetes Association and the Canadian Society of Endocrinology and Metabolism. 61st Annual Meeting of The Royal College of Physicians and Surgeons of Canada. Ottawa, 1992.

Wellcome Visiting professorship, School of Public Health, University of South Florida, Tampa. Sponsored by FASEB and The Wellcome Foundation, 1992.

Servier Lecture. Australasian Society for the study of obesity (ASSO). Melbourne, Australia, 1993.

Medal of the Rector, Université de Liège, Belgium, 1993.

Benjamin Delessert Award, 34<sup>th</sup> Annual Meeting of the Nutrition and Dietetic Society, Paris, 1993.

Officer of the Order of Leopold II from Belgium, October 1993.

Willendorf Award. International Association for the Study of Obesity. International Congress on Obesity, Toronto, 1994.

Pimstone Memorial Lecture. 31st SEMDSA, 1st SASO Diabetes Care Symposium. South Africa, 1995.

W.J. Keon Award Lecture of the Ottawa Heart Institute Alumni, World Congress on Hypertension, Ottawa, 1995.

Vendien International Fellow Award of the American Academy of Kinesiology and Physical Education (Now the National Academy of Kinesiology), Vail, Colorado, 1995.

Knight of the Order of the Horse Collar. Department of Physiology, University of Kuopio, Finland, 1996.

Canadian Atherosclerosis Society Sandoz Lectureship, Meeting of the Royal College of Physicians and Surgeons of Canada, Halifax, 1996.

Foreign member of the Belgium Royal Academy of Medicine, November 1996.

Peter B. Raven Lecture, Texas Chapter of the American College of Sports Medicine, 1997.

J.B. Wolffe Lecture, American College of Sports Medicine, Denver, 1997.

Albert Creff 1997 Prize (co-recipient Dr. Angelo Tremblay) from the National Academy of Medicine, Paris, France, 1997.

R. Tait McKenzie Memorial Lecture. 113th Annual AAHPERD National Convention, Reno, Nevada, 1998.

Medal from the Rektor of the Deutsche Sporthochschule Köln on the 40th anniversary of the Institute für Kreislaufforschung und Sportmedizin, Cologne, Germany, 1998.

Honorary Member of the German Federation of Sports Medicine, 1998.

TOPS Award. North American Association for the Study of Obesity. 8th International Congress on Obesity, Paris, France, 1998.

Leon Mow Visiting Fellow, International Diabetes Institute. Melbourne, Australia, 1998.

Sol Kramer Lecture, Faculty of Human Development, Pennsylvania State University, 1999.

Weight Watchers Foundation W. Henry Sebrell, Jr. Award for Lifetime Contributions to our Understanding of Obesity, Charleston, South Carolina. 1999.

Esko Nikkila Lecture, Finnish Society of Internal Medicine, Helsinki, Finland, 2000.

Member of the Order of Canada, 2001.

Professeur Émérite, Faculté de médecine, Université Laval, Québec, 2001.

Sport Science Award of the International Olympic Committee President, 2001.

Honor Award of the American College of Sports Medicine, St. Louis, MO, 2002.

Alumnus of the Year, Université Laval, 2003.

Albert Stunkard Award, North American Association for the Study of Obesity, 2004.

Earle W. Crampton Award for Distinguished Service in Nutrition, McGill University, Montreal, Canada, 2005.

Distinguished Leadership, Kiwanis Club of Louisiana State University, Baton Rouge, Louisiana, 2005.

Past Presidents Award, Canadian Federation of Biological Sciences, Guelph, Ontario, 2005.

Chevalier de l'Ordre National du Québec, Québec, Canada, 2005.

President, International Association for the Study of Obesity, 2002-2006.

Raymond Pearl Memorial Lecture, Human Biology Council, Philadelphia, 2007.

President's Award, Club de recherches cliniques du Québec, 2008.

George A. Bray Founders Award, The Obesity Society, Phoenix, 2008.

E.V. McCollum Award, American Society for Nutrition, 2011

Faculty Fellow, Texas A&M Institute for Advanced Study, College Station, Texas, 2013-2014.

Boyd Professor, Louisiana State University, Pennington Biomedical Research Center, Baton Rouge, Louisiana, 2016

### **Fellow Status in Learned Societies**

Fellow of the American College of Sports Medicine (FACSM), 1980.

Foreign Fellow of the American Academy of Kinesiology and Physical Education (now the National Academy of Kinesiology), 1985.

Fellow of the American Epidemiological Society

Fellow of the American Association for the Advancement of Science, 2009

Fellow of the American Heart Association, 2010

Fellow of the American Society of Nutrition, 2007

Fellow of The Obesity Society, 2014

Fellow of the Canadian Society of Exercise Physiology, 2018.

### **Doctorates Honoris Causa**

Honoris Causa Doctorate, Katholieke Universiteit Leuven, Belgium, 1998.

Honoris Causa Doctorate, University of South Carolina, Columbia, USA 2009

Honoris Causa Doctorate, University of Guelph, Ontario, Canada, 2011

Honoris Causa Doctorate, Brock University, Ontario, Canada, 2011

Honoris Causa Doctorate, University of Ottawa, Ontario, Canada, 2012

Honoris Causa Doctorate, National and Kapodistrian University of Athens, Athens, Greece, 2015

Honoris Causa Doctorate, Universite Laval, Quebec, Canada, June 2015

### **3. Research Grants and Contracts**

**Over the last decades, CB has been supported by grants and contracts totaling \$9M in CDA and \$50M in USD as a principal investigator or investigator.**

- (1) Hollmann, W. et C. Bouchard. Studies on physical work capacity tests, effects of minimal exercise programs, and skeletal age and cardiorespiratory fitness in children. Kuratorium für sportmedizinische Forschung, Federal Republic of Germany, 1963 & 1964.
- (2) Bouchard, C. and R. Carrier. Frequency, intensity and duration of exercise training sessions on physical working capacity in young adults. Health and Welfare Canada, Ottawa (Contract 1837), 1967-1969.
- (3) Landry, F., W. Barry, C. Bouchard, W. Orban and M. Yuhasz. A physiological and psychological study of Canadian athletes in the 1967 Pan-American Games, Winnipeg,

1967. A consortium of Laval University, University of Ottawa and University of Western Ontario. 1967.
- (4) Bouchard, C. and P. Godbout. An inventory of measures and tests for the evaluation of global physical fitness. Institut de recherche pédagogique, Ministère de l'Education, Québec, 1969-1970.
  - (5) Landry, F., R. Potvin, R. Carrier, P. Béliveau, C. Bouchard, R. Desharnais and J. Samson. An exploratory study on physical activity and coronary heart disease. Ministère de l'Education, Québec, 1971.
  - (6) Larivière, G. A. Demirjian, C. Bouchard, J. Skinner et A. Taylor. A study of selected biological traits of a sample of athletes participating in the 1976 Montreal Olympic Games. Haut-Commissariat à la jeunesse, aux loisirs et aux sports, Gouvernement du Québec, 1976.
  - (7) Bouchard, C. Institutional support for studies on the genetics of cardiorespiratory fitness and performance. Université Laval, 1977-1984.
  - (8) Bouchard, C. Genetics of cardiorespiratory fitness and performance. Fonds pour la recherche et l'action concertée, Gouvernement du Québec, 1977-1984.
  - (9) Bouchard, C. Genetics of cardiorespiratory fitness and performance. Fonds pour la recherche et l'action concertée, Subvention du Centre de recherche en nutrition, 1978-1984.
  - (10) Bouchard, C. Genetics of cardiorespiratory fitness and other health-related traits. Career développement grant, Québec Health Research Council, Québec, 1978.
  - (11) Bouchard, C., C. Allard, A. Tremblay et G. Thériault. Cardiorespiratory fitness and performance and their relations with allelic markers. Fonds pour la recherche et l'action concertée, Gouvernement du Québec, 1978-1982.
  - (12) Bouchard, C., C. Allard, A. Tremblay et G. Thériault. Exploring the development of cardiorespiratory fitness standards taking into account familial aggregation. Department of Leisure, Hunting and Fishing, Government of Québec, 1978-1982.
  - (13) Desaulniers, M., G. Saladin, J. Sévigny, C. Allard et C. Bouchard. Etude des facteurs familiaux et extra-familiaux susceptibles d'influencer la qualité de l'alimentation. Conseil pour la recherche en santé du Québec, 1978-1979.
  - (14) Desaulniers, M., C. Bouchard. Consommation des produits laitiers par les familles québécoises. Conseil des recherches et services agricoles du Québec, 1979-1980.

- (15) Desaulniers, M., G. Saladin, J. Sévigny, C. Allard et C. Bouchard. Familial and non-familial factors influencing diet quality. Health and Welfare Canada, (6605-1581-43), 1979-1981.
- (16) Bouchard, C. Assessing body fat content. Fitness Canada (7259-1), 1980-1981.
- (17) Bouchard, C., M.R. Boulay, C. Simard et J. Vallières. Equipment for histochemical studies. Natural Sciences and Engineering Research Council of Canada (E6227), 1980-1981.
- (18) Landry, F. et C. Bouchard. Heredity and physical fitness. Fitness Canada (7259-2), 1980-1983.
- (19) Bouchard, C. Influence of lifestyle markers on physical fitness. Fitness Canada (7295-2), 1981-1982.
- (20) Bouchard, C., F. Landry, P.P. Lagassé, M.R. Boulay, A. Tremblay et G. Thériault. Variability in adaptive response to various exercise training regimens. Natural Sciences and Engineering Research Council of Canada (G-0850), thematic grant, 1981-1984.
- (21) Bouchard, C. Familial aggregation of lifestyle markers and physical fitness. Fitness Canada, 1982-1983.
- (22) Bouchard, C., C. Allard, A. Tremblay, F. Landry, G. Thériault et M.R. Boulay. Genetic determinants of variation in physical fitness and its response to exercise training. Fonds pour la recherche et l'action concertée, Gouvernement du Québec (EQ-1330), 1982-1985.
- (23) Bouchard, C., A. Tremblay, M.R. Boulay et F. Landry. Equipment grant for a metabolic cart. Natural Sciences and Engineering Research Council of Canada (E-6673), 1983-1984.
- (24) Rogers, P., C. Bouchard et F.T. Dionne. Liquid scintillation spectrometry system. Natural Sciences and Engineering Research Council of Canada (E-6959), 1983-1984.
- (25) Bouchard, C. Génétique de l'adaptation. Fonds pour la recherche et l'action concertée, Subvention du Centre de recherche en nutrition, 1984-1985.
- (26) Bouchard, C. et A. Tremblay. Heredity and body fat loss with exercise training. Fitness and Sport Canada, 1984-1985.
- (27) Bouchard, C. et A. Tremblay. Heredity and body fat loss with exercise training. Ministère de l'emploi et immigration Canada (4162 BJO), 1984-1985.
- (28) Tremblay, A. et C. Bouchard. Equipment grant: urinary nitrogen analyzer. Natural Sciences and Engineering Research Council of Canada (E-15644), 1984-1985.

- (29) Bouchard, C. Genetic polymorphism in human skeletal muscle and adipose tissue enzymes and relationship with exercise capacities and powers and other metabolic properties. Natural Sciences and Engineering Research Council of Canada (A-8150), 1984-1987.
- (30) Bouchard, C. Familial resemblance and inheritance in physical fitness and lifestyle of Canadians. Fitness Canada Research Program, 1984-1986.
- (31) Bouchard, C., A. Tremblay, M.R. Boulay et G. Thériault. Hérité et adaptation aux stress aigus de la prise alimentaire. Fonds pour la recherche et l'action concertée, Gouvernement du Québec (EQ-3099), 1985-1987.
- (32) Bouchard, C., J.P. Després, A. Tremblay, G. Thériault, A. Nadeau, P. Lupien et S. Moorjani. Effects of a long-term fitness program on body composition, fat distribution and risk profile in obese women. Canadian Fitness and Lifestyle Research Institute, 1986-1989.
- (33) Bouchard, C., A. Tremblay, A. Nadeau, J. Dussault, P. Lupien et G. Thériault. Heredity, overfeeding and exercise. National Institutes of Health: National Institute of Diabetes, Digestive and Kidney Diseases, USA, US 1986-1988.
- (34) Sjöström, L., L. Backman, C. Bouchard, E. Jonsson, I.I. Näslund, L. Olbe, K. Pennert, L. Sjöberg, and L. Sullivan. Swedish Obese Subjects: Register and prospective controlled intervention. Swedish Medical Research Council, 1986-1991.
- (35) Sjöström, L., U. Tylen, C. Bouchard, L. Sullivan, and T. William-Olsson. Energy metabolism in relation to body composition, physiological adaptation and genetic properties. Swedish Medical Research Council, 1986-1989.
- (36) Bouchard, C. Effects of activity level, physical fitness and their interaction on risk factors. Canadian Fitness and Lifestyle Research Institute (8705-2446-1063), 1987-1988.
- (37) Bouchard, C., A. Tremblay, J.P. Després and G. Thériault. Identification and characterization of large and small eaters. Health and Welfare Canada (6605-2769-56), 1987-1988.
- (38) Tremblay, A. and C. Bouchard. Sex differences in post-exercise energy intake in humans. Canadian Fitness and Lifestyle Research Institute (8705-2458-1062), 1987-1988.
- (39) Després, J.P., Bouchard, C., Lupien, P.J. & A. Nadeau. Obésité et métabolisme des lipoprotéines. Canadian Heart Foundation, 1986-1988.
- (40) Dionne, F.T., Boulay, M.R., Thibault, M.C. & C. Bouchard. Polymorphismes de fragments de restrictions d'ADN associés aux gènes des enzymes de régulation de l'ATP



et la réponse à l'entraînement. Fonds pour la recherche et l'action concertée, Gouvernement du Québec, 1988-1991.

- (41) Tremblay, A., Després, J.P. & C. Bouchard. Effect of exercise and diet composition on short-term regulation of energy intake in humans. Canadian Fitness and Lifestyle Research Institute, (1988-1989).
- (42) Bouchard, C., Tremblay, A., Nadeau, A., Dussault, J., Lupien, P.J., Després, J.P., Thériault, G. and S. Moorjani. Heredity and adaptation to negative energy balance. National Institutes of Health: NIDDK, 1988-1990.
- (43) Després, J.P., Tremblay, A., Prud'homme, D. and C. Bouchard. Effects of body fat distribution on the acute metabolic response of obese men to aerobic exercise. Canadian Fitness and Lifestyle Research Institute, 1988-1990.
- (44) Després, J.P., Bouchard, C., Lupien, P.J., Nadeau, A. Obesity and lipoprotein metabolism. Canadian Heart Foundation. 1988-1992.
- (45) Bouchard, C., Tremblay, A., Després, J.P., Lupien, P.J., Dionne, F.T., Thibault, M.C., and Thériault, G. Energy balance and family line as predictors of 10-year changes in body fat and fat distribution. Medical Research Council of Canada. 1989-1992.
- (46) Tremblay, A., Després, J.P., Boulay, M.R., Prud'homme, D., Thériault, G. and C. Bouchard. Effect of dexfenfluramine and exercise on substrate oxidation. Servier Amérique, 1989-1990.
- (47) Després, J.P., Tremblay, A., Bouchard, C. and D. Prud'homme. The development of an equation for predicting deep fat accumulation in men from anthropometric measurements. Department of National Defense Government of Canada, 1989-1990.
- (48) Després, J.P., Tremblay, A., Bouchard, C., Nadeau, A. Fat distribution, heredity and 10-year changes in glucose metabolism. Canadian Diabetes Association. 1990-1992.
- (49) Després, J.P., Bouchard, C., Nadeau, A., Lupien, P.J., Bélanger, A., Labrie F. Obesity and lipoprotein metabolism. Québec Heart Foundation, 1990-1992.
- (50) Després, J.-P., Bouchard, C., Tremblay, A., Nadeau, A. Fat distribution, heredity and 10 year changes in glucose metabolism. Canadian Diabetes Association. \$100,000.00 (1992-1994).
- (51) Després, J.-P., Nadeau, A., Bouchard, C., Lupien, P.J., Bélanger, A. and Labrie, F. Obesity and lipoprotein metabolism. Heart and Stroke Foundation of Québec, 1992-1996.
- (52) Bouchard, C., Tremblay, A., Després, J.-P., Dionne, F.T., Lupien, P.J., Nadeau, A., Moorjani, S., Thibault, M.-C., Thériault, G., Prud'homme, D., Pérusse, L. A prospective

family study of the causes and consequences of variation in body fat and fat distribution. Medical Research Council of Canada, 1992-1997.

- (53) Bouchard, C., Rao, D.C., Leon, A.S., Skinner, J.S., Wilmore, J.H. A research consortium on health, risk factors, exercise training and genetics (HERITAGE). National Institutes of Health, NHLBI (HL045670), 1992-2013.
- (54) Rao DC, Leon AS, Skinner JS, Wilmore JH, Bouchard C. A research consortium on health, risk factors, exercise training and genetics (HERITAGE): Data Coordinating Center. National Institutes of Health, NHLBI (HL47317), 1992-2010.
- (55) Leon AS, Rao DC, Skinner JS, Wilmore JH, Bouchard C. A research consortium on health, risk factors, exercise training and genetics (HERITAGE): the University of Minnesota Clinical Center. National Institutes of Health, NHLBI (HL47323), 1992-2003.
- (56) Skinner JS, Leon AS, Rao DC, Wilmore JH, Bouchard C. A research consortium on health, risk factors, exercise training and genetics (HERITAGE): the Indiana University Clinical Center. National Institutes of Health, NHLBI (HL47327), 1992-2003.
- (57) Wilmore JH, Skinner JS, Leon AS, Rao DC, Bouchard C. A research consortium on health, risk factors, exercise training and genetics (HERITAGE): the University of Texas at Austin Clinical Center. National Institutes of Health, NHLBI (HL47321), 1992-2003.
- (58) Bouchard, C., Boulay, M.R., Dionne, F.T., Pérusse, L., Prud'homme, D., Simoneau, J.A., Thériault, G., Tremblay, A. Activité physique, génétique et obésité. Fonds de recherche en santé du Québec, 1993-1994.
- (59) Tremblay, A., Bouchard, C., Simoneau, J.A., Prud'homme, D. and Thériault, G. Pondéral Pacaps "Fenfluramine et perte de poids". Servier Amérique, 1995-1996.
- (60) Després, J.P., Bouchard, C., Tremblay, A., Dionne, F.T., Nadeau, A. Visceral fat and prospective changes in plasma glucose-insulin homeostasis. Canadian Diabetes Association, 1992-1996.
- (61) Bouchard, C., Boulay, M.R., Dionne, F.T., Pérusse, L. Les bases moléculaires et génétiques de la réponse à l'exercice et à l'entraînement pour des phénotypes associés à la santé et à la performance. Fonds pour la recherche et l'action concertée, Gouvernement du Québec, 1995-2001.
- (62) Després, J.P., Bouchard, C., Nadeau, A., Lupien, P.J., Bélanger, A. and Labrie, F. Lipoprotein metabolism in visceral obesity. Heart and Stroke Foundation of Québec, 1995-1998.
- (63) Tremblay, A., Barranco, G., Després, J.P. and Bouchard, C. Syndrome X in formerly undernourished individuals. Nestlé Foundation, Switzerland, 1996-1998.

- (64) Sjöström, L. and Bouchard, C. The Swedish Obese Subjects (SOS). Supplementary genetics studies. Swedish Medical Research Council, 1995-1998.
- (65) Bouchard, C. and Rauramaa, R. Etude prospective sur la variation de séquence pour des gènes candidats et le niveau d'athérosclérose des artères carotides chez des sujets finlandais. Centre d'études et de recherches internationales en nutrition, Paris, France, 1995-2001.
- (66) Bouchard, C., Boulay, M.R., Dionne, F.T., Pérusse, L., Chagnon, Y. and Gagnon, J. Genetic and molecular markers of the response to regular exercise. Natural Sciences and Engineering Research Council of Canada , 1996-2000.
- (67) Bouchard, C., Dionne, F.T., Pérusse, L. and Chagnon, Y. The genetics of obesity and its co-morbidities: The Quebec Family Study. Medical Research of Canada, 1997-2002.
- (68) Bouchard, C. The Donald B. Brown Chair in obesity research. Medical Research Council of Canada and Hoffmann-La Roche Pharmaceuticals, 1997-1999.
- (69) Després, J.P., Bouchard, C., Tremblay, A., Dionne, F.T. and Nadeau, A. Visceral adipose tissue and plasma glucose-insulin homeostasis. Canadian Diabetes Association, 1996-1999.
- (70) Bouchard, C., Després, J.P., Simoneau, J.A., Pérusse, L., Chagnon, Y.C., Deshaies, Y., Charest, P.M. and Nadeau, A. The genetics of obesity and its co-morbidities. The Quebec Family Study. Medical Research Council of Canada, 1998-2001.
- (71) Bouchard C. The George A. Bray Research Chair in Nutrition. Pennington Biomedical Research Foundation, 1999-2010.
- (72) Bouchard, C. The identification of new targets for the treatment of obesity based on positional cloning of loci identified in the Quebec Family Study. Institutes for Pharmaceutical Discovery, CT, 2000-2006.
- (73) Bouchard C. Genetics, obesity and metabolism. Unrestricted grant from Bristol-Myers Squibb, 2000-2005.
- (74) Lefevre M and collaborators. Diet, genetics, and CVD risk factor response in Blacks: role of the genotype in cardiovascular disease risk factor responses to a heart-healthy diet in African-Americans. National Institutes of Health, NHLBI (HL72510), 2002-2006.
- (75) Argyropoulos G and collaborators. The Agouti Related Protein and Its Role In Human Obesity. National Institutes of Health, NIDDK (DK62156), 2003-2008.
- (76) Rankinen T, Blair SN, Bouchard C. HYPGENE: genetics, fitness, obesity and risk of hypertension. National Institutes of Health, NHLBI (HL069870), 2004-2007.

- (77) Bouchard C, Rao DC, Rankinen T, and Rice T. HERITAGE : Genetics, response to exercise, risk factors, Phase 4. National Institutes of Health, NHLBI (HL045670), 2006-2013. (In 2009, transferred Principal Investigator responsibility to T. Rankinen and I became investigator).
- (78) Bouchard C, Rankinen T. Genes, Obesity and Associated Diseases in SOS. COYPU Foundation, 2007-2008.
- (79) Bouchard C, Rankinen T, Sarzynski M. 20-Year Changes in Fitness and Cardiovascular Disease Risk. (Subcontract between Kaiser Foundation Research Institute and Pennington Biomedical Research Center), National Institutes of Health, NHLBI, (HL078972), 2008-2010.
- (80) Bouchard C. The John W. Barton, Sr. Chair in Genetics and Nutrition. Pennington Biomedical Research Foundation, 2010-2022.
- (81) Bouchard C, Rankinen T, Wolfarth B, Sarzynski M. Predicting an Elite Endurance Athlete Status: A Genome-Wide Exploration. Prince Faisal Bin Fahad International Prize for Arab Sport, 2012.
- (82) Gettys T and collaborators. Center of Biomedical Research Excellence (COBRE) Program. National Institutes of Health, NIGMS Institutional Center Grant. Served as a mentor for a COBRE funded project and as the COBRE Program Coordinator. 2011-2021.
- (83) Rankinen T and Bouchard C. A multi-ethnic study of gene-lifestyle interactions in cardiovascular traits. Sub-award from Washington University: U-14-250. National Institutes of Health, NHLBI (HL118305), 2014-2017.
- (84) Sarzynski M and collaborators. The molecular and genetic basis of exercise-induced changes in HDL function (Subaward to C Bouchard at Pennington Biomedical Research Center). National Institutes of Health, NHLBI (HL146162), 2019-2024.
- (85) Gerszten R and Sarzynski M. Biochemical profiling to identify cardiometabolic responsiveness to an endurance exercise intervention (Subaward to C Bouchard at Pennington Biomedical Research Center). National Institutes of Health, NR (019628), 2021-2025.

## **Graduate Students, Postdoctoral Fellows, and Visiting Scientists on Sabatical**

### **4.1 MSc Graduate Students**

1. Leclerc, C. 1980. Thesis reviewer.
2. Lortie, G. 1981. Research director.
3. Savard, R. 1981. Research director.
4. Chagnon, Y. 1981. Thesis reviewer.

5. Després, J.-P. 1982. Research director.
6. Pérusse, L. 1982. Research director.
7. Simoneau, J.A. 1982. Research director.
8. Jahjah, L. 1982 (Physiology). Thesis reviewer.
9. Leclerc, S. 1982. Thesis reviewer.
10. Rivest, J. 1983. Research director
11. Paradis, A. 1983 (Physiology). Thesis reviewer.
12. Prud'homme, D. 1983. Research director.
13. Rineau, P. 1984 (Physiology). Thesis reviewer. .
14. Lesage, R. 1984. Research director.
15. Fontaine, E. 1985. Research director.
16. Perron, L. 1985. Thesis reviewer.
17. Hamel, P. 1985. Research director.
18. Ama, P.F.M. 1986. Research director.
19. Diano, R. 1986. Research director.
20. Marcotte, M. 1987. Research director.
21. Serresse, O. 1987. Research co-director.
22. Tanguay, F. 1988 (Physiology). Thesis reviewer.
23. Mailloux, M.J. 1988. Thesis reviewer.
24. Bourdage, J. 1988 (Social and preventive medicine). Thesis reviewer.
25. Boilard, F. 1988. Thesis reviewer.
26. Plourde, G. 1989 (Nutrition). Thesis reviewer.
27. Saavedra, C. 1989. Research director.
28. Truchon, J. 1992. Research co-director.
29. Vohl, M. C. 1993. Research co-director.
30. Côté, G. 1997. Research director.

## 4.2 **PhD Graduate Students**

1. Lupien, J. Effets de l'entraînement à l'exercice, de l'adaptation au froid et de l'hyperphagie sur la cellularité et la lipolyse du tissu adipeux blanc, 1983 (Physiology). Dissertation reviewer.
2. Savard, R. Les effets de l'hérédité, de l'exercice et de l'entraînement aérobic sur la lipogénèse et la lipoprotéine lipase du tissu adipeux chez l'humain, 1983. Research director.
3. Després, J.P. Effets de l'entraînement aérobic et de l'hérédité sur la morphologie et le métabolisme du tissu adipeux humain, 1984. Research director.
4. Lortie, G. Influences de l'hérédité, de la sensibilité à l'entraînement, et des caractéristiques histo-chimiques et biochimiques du muscle squelettique sur les performances aérobies, 1984. Research director.
5. Simoneau, J.A. Influences de l'hérédité et de l'entraînement sur la performance anaérobie et sur les caractéristiques histo-chimiques et biochimiques du muscle squelettique chez l'humain, 1985. Research director.
6. Poehlman, E.T. Genotype dependency of the effects of short-term overfeeding and exercise-training on body composition, thermo-genesis and adipose tissue metabolism in humans, 1985. Research director.

7. Pérusse, L. Epidémiologie génétique, déterminants de la condition physique et indicateurs de santé, 1988. Research director.
8. George, V.A. Energy intake, macronutrient intake, energy expenditure and body composition: an investigation into the small eater - large eater phenomenon, 1990 (Nutrition). Research director.
9. Serresse, O. Contribution à l'étude des performances anaérobie et aérobie, 1991. Research co-director.
10. Dériaz, O. Aspects génétiques et environnementaux du métabolisme de repos, 1993. Research director.
11. Oppert, M. Facteurs génétiques et nutritionnels dans la détermination de la masse grasse, de la répartition du tissu adipeux et des paramètres métaboliques associés chez l'homme, 1994 Doctorat d'Université de physiologie et physiopathologie de la nutrition humaine, Université Paris VII, UFR de Biologie de l'Humain. Dissertation reviewer.
12. Adjoa, S. Déterminants génétiques de la performance aérobie et de la réponse à l'entraînement physique. 1996. Research co-director.
13. St-Amand, J. Variation des concentrations de cholestérol des lipoprotéines plasmatiques: étude de l'interaction gène-gène et gène-environnement. 1996. Dissertation reviewer.
14. Thomis, M. The power of individual genetic factor scores in predicting the sensitivity to environmental stress. 1997, Ph.D. from Katholieke Universiteit Leuven Biomedical Sciences, Belgium. Dissertation reviewer.
15. Barbeau, P. Markers of the erythropoietin, erythropoietin receptor and RAD genes and cardiorespiratory endurance. 1997. Research co-director.
16. Walder, K. Leptin and the development of obesity. 1997. Ph.D. from Faculty of Health and Behavioral Sciences, Deakin University, Australia. Dissertation reviewer.
17. Loos, Ruth. Genetic studies on genetics of blood pressure and body composition. 2001. Ph.D. from Katholieke Universiteit Leuven Biomedical Sciences, Belgium. Dissertation reviewer.
18. Brennan, Andrea. Investigating metabolomic and phenotypic changes following exercise training and corresponding implications for cardiometabolic risk. 2018. PhD from Queen's University, Kingston, Ontario, Canada. Dissertation reviewer.

### **4.3 Postdoctoral Fellows**

|                            |             |           |
|----------------------------|-------------|-----------|
| Jean-Michel Oppert, M.D.   | France      | 1992-1993 |
| Jean-François Morel, Ph.D. | France      | 1993      |
| Bernd Wölfarth, M.D.       | Germany     | 1995-1996 |
| Fabiano Lago, M.D.         | Brazil      | 1995-1996 |
| Miguel Rivera, Ph.D.       | Puerto Rico | 1995-1998 |
| Guang Sun, M.D., Ph.D.     | China       | 1996-2001 |
| Tuomo Rankinen, Ph.D.      | Finland     | 1997-1999 |
| Marianne Larose, Ph.D.     | France      | 1997-1999 |
| Peter Katzmarzyk, Ph.D.    | Canada      | 1998-1999 |
| John Weisnagel, M.D.       | Canada      | 1998-1999 |
| Machteld Wauters, Ph.D.    | Belgium     | 1998-1999 |

|                                  |               |           |
|----------------------------------|---------------|-----------|
| Martine Thomis, Ph.D.            | Belgium       | 1998      |
| Olavi Ukkola, M.D.               | Finland       | 1999-2001 |
| Roland Rosmond, M.D.             | Sweden        | 1999-2000 |
| Peter Jacobson, M.D.             | Sweden        | 2000-2002 |
| Riitta Simonen, Ph.D.            | Finland       | 2000-2001 |
| Johnny St. Amand, Ph.D.          | Canada        | 2000-2001 |
| Agron Collaku, PhD               | Albania       | 2000-2003 |
| Margarita Teran-Garcia, MD, Ph.D | Mexico        | 2001-2005 |
| Jesus Rico-Sanz, Ph.D.           | Spain         | 2001-2003 |
| Martin Angers, Ph.D.             | Canada        | 2002-2003 |
| Ruth Loos, Ph.D.                 | Belgium       | 2002-2005 |
| Hanna-Maaria Lakka, MD, PhD      | Finland       | 2002-2004 |
| Nicola Santoro, M.D.             | Italy         | 2003      |
| Tomohiro Okura, Ph.D.            | Japan         | 2003-2004 |
| Arto Hautala, Ph.D.              | Finland       | 2005      |
| Nadine Spielmann, Ph.D.          | Switzerland   | 2005-2007 |
| Adrian Stuetz, Ph.D.             | Austria       | 2006-2008 |
| Mark Sarzynski, Ph.D.            | United States | 2008-2013 |

#### 4.4 **Sabbatical Visitors**

|                              |               |                                           |
|------------------------------|---------------|-------------------------------------------|
| Robert Malina, Ph.D.         | United States | 1986-1987                                 |
| Tom Song, Ph.D.              | Canada        | 1991 + 5 summer sessions                  |
| Rainer Rauramaa, M.D., Ph.D. | Finland       | 1995-1996                                 |
| Seok-Young Kim, Ph.D.        | South Korea   | 1995-1996                                 |
| Joel Grinker, Ph.D.          | United States | 1996-1997                                 |
| Janet Pritchard, Ph.D.       | Australia     | 1997                                      |
| Jaap Seidell, Ph.D.          | Netherlands   | 1998                                      |
| Kenji Togashi, Ph.D.         | Japan         | 2000-2001                                 |
| Shigeho Tanaka, Ph.D.        | Japan         | 2000-2001                                 |
| Timo Lakka, MD, PhD          | Finland       | 2002-2004                                 |
| Lars Sjostrom, MD, PhD       | Sweden        | 2003-2005, 2007-2012 (2 months each time) |
| Ghazala Kaukab Raja, PhD     | Pakistan      | 2012                                      |
| Zihong He, PhD               | China         | 2016-2017                                 |

## 5. **Membership in Professional and Scientific Societies**

Member of the Canadian Association for Health, Physical Education and Recreation (CAPHER, 1965-1988).

Membre de l'Association canadienne française pour l'avancement des sciences (ACFAS, 1965-1999).

Membre de la Fédération d'éducation physique du Québec (FEPQ, 1965-1971) et de l'Association des professionnels de l'activité physique du Québec (APAPQ, 1972-1977).

Member of the International Society for the Study of Twins (1976-1992).

Member of the Society for the Study of Human Biology (1975-1987).

Member of the American Association of Physical Anthropologists (1978-1987).

Member of the International Society of Nutrigenetics and Nutrigenomics (2011-2016).

Founding member of the Canadian Association of Sport Sciences (CASS), now the Canadian Society for Exercise Physiology (CSEP) (1967+) (President 1985-1986).

Member of the American College of Sports Medicine (ACSM, 1974+) and Fellow since 1980.

Member of the American Society of Human Genetics (1978+).

Member of the North American Association for the Study of Obesity, now The Obesity Society (1982+), and Fellow since 2014, (Président 1991-1992).

Corresponding Fellow of the National Academy of Kinesiology (1985+).

Member of the International Society for the Study of Obesity (now The World Obesity Federation) (1987+) (Vice-président for North America (1992-1998), Vice-President (1998-2002), President (2002-2006).

Member of the American Physiological Society (1988+).

Member of the American Association for the Advancement of Sciences (1992+), Fellow since 2008.

Member of the American Society of Clinical Nutrition, now The Nutrition Society (1992+), Fellow since 2007.

Member of the American Heart Association (2003+), Fellow since 2010.

Corresponding Fellow de l'Académie royale de médecine de Belgique (1998+).

## **6. Invited Presentations**

- (1) Association Canadienne des Nations Unies. "La Santé par l'activité physique". 1965, Québec.
- (2) Sport Medicine World Congress of FIMS. "Minimal amount of physical training for the prevention of cardiovascular diseases". 1966, Hanover, Germany.
- (3) Journées d'étude du Ministère de l'Éducation du Québec. "La méthodologie en éducation physique scientifique". 1966, Val David, Montréal.



- (4) Association canadienne des centres de loisirs. "Les adolescents sur le plan physiologique". 1966, Val David, Montréal.
- (5) Canadian Association of Sport Sciences annual meeting (CASS-ACSS). "What research tells about preventive programs of physical exercises in adults". 1968, Toronto.
- (6) Pediatric group of work physiology. "Relationship between skeletal maturity level and anthropometric measures, muscular strength, heart volume and physical working capacity in boys 8 to 18 years of age". 1968, Dortmund, Germany
- (7) Congrès provincial de la FEPQ. "Quelques implications des données épidémiologiques actuelles pour l'éducation physique en l'an 2000". 1969, Sherbrooke, Quebec.
- (8) Université d'Ottawa (réunion interuniversitaire). "Rétrospection et prospection sur le développement de l'activité scientifique dans le secteur de la science de l'homme en mouvement". 1969, Ottawa.
- (9) Premier symposium sur les études de croissance au Canada. "L'éducation physique et les recherches sur la croissance". 1969, Montréal.
- (10) Cinquième colloque de la Faculté des sciences de l'éducation. "L'humain et la société post-industrielle". 1969, Québec.
- (11) Les Jeudis-Education, Faculté des sciences de l'éducation, Université Laval. "Les méfaits de l'hypokinésie chez l'adulte. Comment y remédier?". 1969, Québec.
- (12) Club Lions de Charny. "Les méfaits de l'inactivité physique". 1969, Québec.
- (13) Club Kiwanis Québec. "Les méfaits de l'inactivité physique". 1970, Québec.
- (14) Club Richelieu Trois-Pistoles. "Les méfaits de l'inactivité physique". 1970, Trois-Pistoles.
- (15) Club Richelieu Ste-Foy. "Les méfaits de l'inactivité physique". 1970, Ste-Foy.
- (16) Colloque des physiothérapeutes de la province de Québec. "La place de la médecine sportive dans les sciences du sport". 1970, Québec.
- (17) L'Association canadienne des sciences du sport (CASS-ACSS). "L'entraînement: bases scientifiques et applications". 1970, Québec.
- (18) Colloque de la F.E.P.Q. et Palestre Nationale. "Les déterminants de la performance". 1970, Montréal.
- (19) Club Richelieu Lévis. "Les méfaits de l'inactivité physique". 1971, Lévis.
- (20) International Council for Health, Physical Education and Recreation. "An inventory of tests to evaluate the physical value components". 14th annual congress, 1971, Kingston, Jamaica.

- (21) International Council for Health, Physical Education and Recreation. "Promising practices". 14th annual congress, 1971, Kingston, Jamaica.
- (22) International Council for Health, Physical Education and Recreation. "An analysis of directions for the 70's in Research". 14th annual congress, 1971, Kingston, Jamaica.
- (23) Association d'éducation physique de la région de Montréal, La Palestre Nationale, et le Centre culturel et sportif. "Les méfaits de l'inactivité physique sur la longévité". 1971, Montréal.
- (24) Congrès de la Fédération allemande de médecine sportive. "Ueber das Verhalten der Leistungsentwicklung in Relation zum biologischen und chronologischen Alter bei Maedchen und Junger". 1971, Würzburg, Germany.
- (25) Congrès de la Fédération allemande de médecine sportive. "Knochenalter, Koerperfett, Muskelkraft, Readtionsgeschwindigkeit, Lungenfunktionen und Koerperliche Leistungsfahigkeit bei trainierten und untrainierten maennlichen Jugendlichen". 1971, Würzburg, Germany.
- (26) L'Association canadienne de médecine industrielle. "La pause-exercice vs la pause-café". 1971, Montréal.
- (27) Le Club Médaille d'Or de la Palestre Nationale. "Quelles sont nos chances de succès devant nos responsabilités de 1976?". 1971, Montréal.
- (28) Centre de conditionnement physique dynamique. "Les méfaits de l'inactivité physique". 1971, Pointe-aux-Trembles.
- (29) Collège d'enseignement général et professionnel de Ste-Foy. "Les méfaits de l'inactivité physique". 1972, Ste-Foy.
- (30) Université du Québec à Chicoutimi. "Le sport québécois face au défi des J.O. '76". 1972, Chicoutimi.
- (31) Congrès annuel de la Fédération d'éducation physique du Québec. "Le rapport du Comité Québec '76: une étude sur la participation des Québécois aux J.O. '76". 1972, Trois-Rivières.
- (32) Club progrès canadien de Ste-Foy. "La participation des Québécois aux J.O. '76". 1972, Ste-Foy.
- (33) Club Médaille d'Or de la Palestre Nationale. "Perspectives sur la participation des Québécois aux J.O. '76". 1972, Montréal.
- (34) Association coopérative de Ville Duberger. "Les méfaits de l'inactivité physique". 1972, Duberger.
- (35) Association canadienne des directeurs athlétiques universitaires (CAUAD-ACDAU). "The report of the Québec '76 Committee". 1972, Québec.
- (36) La réunion des Sociétés savantes du Canada (ACCE-ACPE-CCRE). "Une analyse des facteurs responsables du développement de la recherche à la Faculté des sciences de l'éducation de l'Université Laval". 1972, Montréal.

- (37) Pre-Olympic Games Sport Sciences Congress. "Physical and physiological issues in youth school sports". 1972, Munich.
- (38) Symposium de la Fédération de gymnastique du Québec. "Que dit la recherche au sujet de la sélection et de la préparation du gymnaste d'élite". 1973, Montréal.
- (39) Colloque sur la médecine sportive du Centre hospitalier de l'Université Laval. "La condition physique". 1973, Québec.
- (40) Congrès de l'Association des assureurs-vie de Québec. "Les méfaits de l'inactivité physique chez l'adulte". 1973, Québec.
- (41) Colloque sur l'entraînement du Service des activités sportives de l'Université Laval. "La préparation à la performance: que dit la recherche ?". 1973, Québec.
- (42) Symposium du Centre de réhabilitation Lethbridge sur la communauté face au conditionnement physique. "La condition physique des enfants d'âge scolaire". 1973, Montréal.
- (43) Congrès de l'Association des professionnels de l'activité physique du Québec. "La condition physique des Québécois". 1973, Montréal.
- (44) Association des infirmières catholiques du Canada. "Les activités physiques dans la prévention et la réhabilitation". 1973, Québec.
- (45) Association professionnelle des nettoyeurs et buandiers du Québec. "Les méfaits de l'inactivité physique". 1973, Québec.
- (46) Club Richelieu Donnacona. "Les méfaits de l'inactivité physique". 1973, Donnacona.
- (47) Colloque des directeurs des services des CEGEP du Québec. "Les facteurs de la valeur physique et les éléments de programmation au collégial". 1973, Ville l'Estérel.
- (48) Colloque de l'Association des femmes de carrière de Québec. "Vivre sans vieillir et l'activité physique". 1973, Québec.
- (49) Congrès annuel de la Fédération du sport scolaire du Québec. "Les effets du sport sur les plans physique et physiologique au cours du développement de l'enfant". 1973, Lac Delage, Québec.
- (50) Colloque de l'Association olympique canadienne. "L'AOC et le sport québécois". 1973, Montréal.
- (51) Colloque de l'APAPQ sur les programmes en activité physique adaptée. "Les facteurs de la valeur physique et les effets de l'activité physique". 1974, Québec.
- (52) Congrès de la Fédération de gymnastique du Québec. "L'évolution avec l'âge de déterminants de la performance". 1974, Trois-Rivières.
- (53) Conférence communautaire de St-Jérôme. "La condition physique des Québécois". 1974, St-Jérôme.

- (54) Colloque des professionnels de l'activité physique de la région de Granby. "Que dit la recherche au sujet des programmes communautaires d'activité physique". 1974, Granby.
- (55) Conférence de l'Ecole d'éducation physique et de la récréation de l'Université d'Ottawa. "L'héritabilité des déterminants de la condition physique". 1974, Ottawa.
- (56) Club Richelieu de Lévis. "Qu'est-ce qui fait un champion ?" 1974, Lévis.
- (57) Club Richelieu de Montmagny. "Les méfaits de l'inactivité physique". 1974, Montmagny.
- (58) Colloque provincial sur la recherche appliquée au hockey. "Les caractéristiques physiques et physiologiques des joueurs de hockey et leurs relations avec la performance". 1974, Québec.
- (59) Institut canadien des banquiers. "Le stress et la condition physique". 1974, Québec.
- (60) Conférence de l'Université du Québec à Montréal. "La recherche et l'éducation physique à l'école élémentaire". 1974, Montréal.
- (61) Colloque du CEGEP Lionel-Groulx. "La condition physique et le programme d'éducation physique au collégial". 1974, Ste-Thérèse.
- (62) Colloque du CEGEP de Chicoutimi. "La valeur physique et le programme d'éducation physique au collégial". 1974, Chicoutimi.
- (63) Colloque du CEGEP Ste-Foy. "La recherche et les programmes d'éducation physique au collégial". 1974, Ste-Foy.
- (64) Colloque canadien sur la recherche appliquée au hockey. "Les déterminants génétiques de la performance". 1975, Québec.
- (65) Pre-Olympic International Congress of Physical Activity Sciences. "Genetics, growth and physical activity". 1976, Québec.
- (66) Annual meeting of the North-American Society for the Psychology of Sport and Physical Activity (NASPPSA). "Genetics and motor behavior". 1976, Austin, Texas.
- (67) Colloque de l'Académie canadienne de la médecine du sport. "Les limites de l'influence de l'exercice dans le contrôle de l'obésité". 1977, Québec.
- (68) Colloque provincial des entraîneurs de hockey. "L'hérédité et la sélection des jeunes talentueux pour le hockey". 1977, Québec.
- (69) Colloque de la Fédération du sport scolaire du Québec. "Quelques avancées au sujet de la condition physique". 1977, Québec. Sur invitation.
- (70) School for American Research. "Genetics of skeletal, muscularity, fatness and physique indices". 1978, Santa Fe, New Mexico.

- (71) Canadian Association of Sport Sciences. "Genetic variation in work capacity during growth". 1979, Mont St-Marie, Hull-Ottawa.
- (72) Association des directeurs généraux des Commission scolaires régionales du Québec (ADIGECS). "L'école et la santé". 1979, Montréal.
- (73) Symposium sur la course de fond du Club Les Centaures de Québec. "L'hérédité et la performance en course de fond". 1979, Québec.
- (74) Conseil de l'âge d'or de la région de Québec. "L'activité physique et la personne âgée". 1979, Québec.
- (75) Rencontre annuelle des coordonnateurs de Kino-Québec. "Un système de quantification de l'activité physique: le rapport du GSQ". 1979, St-Marc sur le Richelieu.
- (76) Rencontre annuelle de Kino-Québec des Laurentides. "Le système de quantification de la dépense d'énergie et la prescription en Kino-Mets". 1980, Mirabel.
- (77) Symposium sur la médecine du sport. "L'hérédité, l'entraînement et la condition physique". 1980, Québec.
- (78) Colloque régional des éducateurs physiques de la Mauricie. "La condition physique et la prescription des activités physiques". 1980, Shawinigan.
- (79) Kino-Québec de la région de Montmagny. "La condition physique et la santé". 1980, Montmagny.
- (80) Centre Entrain. "L'activité physique et la prévention". 1980, Ste-Foy, Québec.
- (81) Fêtes du 25ème anniversaire du DEP, Université Laval. "Le présent et le futur du Département d'éducation physique". 1980, Ste-Foy, Québec.
- (82) Fédération des médecins omnipraticiens du Québec. "Hérédité et performance: interprétation des résultats". 1980, Montréal.
- (83) Cell Biology Seminars, University of Connecticut. "Genetics of adaptation to physical work and other stress". 1981, Storrs, Connecticut.
- (84) Symposium sur la médecine du sport. "Les propriétés de la machine humaine et la prescription d'exercice". 1981, Québec.
- (85) Kino-Québec et YMCA de Québec. "Les adaptations biologiques de la femme au jogging". 1981, Québec.
- (86) Association canadienne-française pour l'avancement des sciences. "Performance au marathon: hérédité et trainabilité". 1982, Montréal.
- (87) Symposium sur la médecine du sport. "Le problème de l'obésité". 1982, Québec.

- (88) 18<sup>th</sup> Annual meeting of the Society of Prospective Medicine. "Human adaptability may have a genetic basis". 1982, Québec.
- (89) Canadian Association of Sport Sciences and Canada Fitness Survey. "Canadian Fitness Survey implication for sport science research". 1982, Victoria.
- (90) Association canadienne pour la santé, l'éducation physique et la récréation. "Enquête condition physique Canada: ses premiers résultats". 1983, Trois-Rivières.
- (91) Association des parents de jumeaux et plus de la région de Québec Inc. "Les recherches sur les jumeaux et la biologie de l'activité physique". 1983, Québec.
- (92) XI<sup>th</sup> International Congress of Anthropological and Ethnological Sciences. "Concluding remarks on human variation in body composition". 1983, Québec.
- (93) XI<sup>th</sup> International Congress of Anthropological and Ethnological Sciences. "Genetics and non-genetic effects on human body composition". 1983, Québec.
- (94) American College of Sports Medicine. "Aerobic and anaerobic work capacity and power: training and heredity". 1983, Montréal.
- (95) Colloque Innovations et Connaissances '83 en Activité Physique. "Enquête condition physique Canada: résultats et applications au Québec". 1983, Québec.
- (96) Centre de recherche en nutrition. "Hérédité, graisse corporelle et métabolisme chez l'humain". 1983, Québec.
- (97) American Association of Physical Anthropology. "Genotype-environment interaction in human adaptability". 1983, Indianapolis.
- (98) University of Alberta Symposium on Physiological Testing of the Elite Athletes. "Genetic factors in performance". 1984, Edmonton.
- (99) Fédération des médecins Omnipraticiens du Québec. "L'obésité". 1984, Québec.
- (100) Pre-Olympic Scientific Congress. "Genetics of aerobic power and capacity". 1984, Eugene, Oregon. By invitation.
- (101) Pre-Olympic Scientific Congress and Canadian Association of Sport Sciences Seminar. "Testing of anaerobic capacities and powers". 1984, Eugene, Oregon.
- (102) North-American Association for the Study of Obesity and University of Washington. "Inheritance of Obesity". 1984, Seattle.
- (103) North-American Association for the Study of Obesity and American Heart Association Symposium. "Genetics of fatness and fat cell metabolism". 1984, Seattle.
- (104) Colloque "Innovations et connaissances '84 en activité physique" de l'ADDEPUL. 'Biologie de l'activité physique'. 1984, Québec.

- (105) Institute of Medical Science, University of Toronto. 'The genetics of body fat distribution and adipose tissue metabolism in man'. 1985, Toronto.
- (106) American Association of Physical Anthropology. 'Shared energy expenditure and energy intake levels in familial resemblance'. 1985, Knoxville, TN.
- (107) Conferences in physiotherapy, McGill University. Genetic effects in skeletal muscle characteristics and the adaptive responses to exercise-training. 1985, Montréal.
- (108) Conférence au Département d'éducation physique, Université de Montréal. Hérité et trainabilité du métabolisme aérobie. 1985, Montréal.
- (109) International symposium on the metabolic complications of human obesities. 'Inheritance of fat distribution and metabolism'. 1985, Marseille.
- (110) Symposium on "Growth, maturation and performance during adolescence", American College of Sports Medicine. 'Body composition during adolescence: genetic influence'. 1985, Nashville, TN.
- (111) IVth International Congress of Auxology. "Heredity and adaptation to exercise-training". 1985, Montreal.
- (112) Canadian Association of Sport Sciences. "Genetic basis of racial differences". 1985, Quebec.
- (113) Canadian Association of Sport Sciences. "Genetic and skeletal muscle adaptations in humans". 1985, Quebec.
- (114) Joint Conference of the American Diabetes Association and the North-American Association for the Study of Obesity. "Genetics of fat distribution and metabolism". 1985, Toronto.
- (115) Colloquium in Physical Rehabilitation. "Heredity and skeletal muscle adaptation to overload". Université Laval, 1985, Quebec.
- (116) National Institutes of Health Anthropometric Standardization Conference. "Human variation in anthropometric dimensions". 1985, Arlie, Virginia.
- (117) Colloquium in Anthropology. "Genetics and body composition". University of Pennsylvania, 1986, Philadelphia.
- (118) Obesity Research Center. "Genetics and adaptive response of adipose tissue metabolism". School of Medicine, University of Pennsylvania, 1986, Philadelphia.
- (119) Seminar in exercise sciences. "Genetic determination of adaptation to training". University of Texas, 1986, Austin, TX.
- (120) Department of Anthropology. "Genetic issues in adaptability research". University of Texas, 1986, Austin, TX.

- (121) American Association for the Advancement of Sciences. "Recent research on heredity and obesity". 1986, Philadelphia.
- (122) 54e Congrès de l'ACFAS. "Hérédité et adaptations métaboliques à l'exercice". 1986, Montréal.
- (123) VIth International Congress on Obesity. "Genetics of body fat, energy expenditure and adipose tissue metabolism". Jerusalem, September 1986. By invitation.
- (124) Canadian Association of Sport Sciences. "Heredity and metabolic adaptation to exercise and overfeeding". 1986, Ottawa.
- (125) 15<sup>e</sup> Congrès annuel de l'Association Canadienne de Gériologie. "L'activité physique et le vieillissement". 1986, Québec.
- (126) American Diabetes Association first Science Writers Seminar. "The influence of genetics on obesity". 1987, Orlando.
- (127) Association des parents de jumeaux de la région de Québec. "La contribution des jumeaux à la recherche sur l'obésité". 1987, Québec.
- (128) Association des spécialistes en conditionnement physique de la région de Québec. "Le contrôle du poids corporel et l'exercice". 1987, Québec.
- (129) Dr. A.S. Lamb Memorial Address. "Heredity, sport performance, and weight control". McGill University, 1987, Montreal.
- (130) American Association of Physical Anthropologists 56th Annual Meeting. "Body composition and adaptation to overfeeding and exercise-training". 1987, New York.
- (131) 59th Annual meeting of the American Academy of Physical Education. "Gene-environment interactions in the adaptive process." 1987, Las Vegas.
- (132) National Cancer Institute. Obesity and Cancer Workshop. "Genetics considerations in obesity and fat distribution". 1987, Stanford University, CA.
- (133) International Council of Sport Sciences and Physical Education. 42nd Executive Meeting. "New research result on the genetics of adaptation to exercise-training". 1987, Québec.
- (134) The Ontario Physical Fitness Appraisal Certification and Accreditation Program. RFA Course Conductor Refresher meeting. "Body fat distribution and health consequences." 1987, Scarborough.
- (135) Fourth Acta Medica Scandinavica Symposium. "Genetic factors in the regulation of adipose tissue distribution". 1987, Gothenburg, Sweden.
- (136) Colloque Innovations et Connaissances '87 en activité physique. "Quelques développements récents en biologie appliquée à l'activité physique". Université Laval, 1987, Québec.



- (137) McGill Nutrition & Food Science Center Seminar. "Genetics of body fat and fat distribution". McGill University, 1987, Montreal.
- (138) McGill Nutrition & Food Science Center Seminar. "Heredity and metabolic adaptation to overfeeding". McGill University, 1987, Montréal.
- (139) L'association française pour l'étude et la recherche sur l'obésité. "Le génotype et l'adaptation à la suralimentation". 1988, Paris.
- (140) La société pharmaceutique Sévier. "Le génotype et les dépenses énergétiques". 1988, Paris.
- (141) INSERM-unité 377. "Hérédité et adaptation à la suralimentation et à l'entraînement physique". 1988, Toulouse.
- (142) INSERM-unité 117. "Hérédité et adaptation du tissu adipeux et du métabolisme énergétique à la suralimentation". 1988, Paris.
- (143) CNRS, LP 7300, Faculté des sciences. "Génotype et adaptation des dépenses énergétiques à la suralimentation". 1988, Nice.
- (144) Pan American Sports Medicine Congress XII. "Selection of talents: genetic determinants of physiological characteristics for high performance". 1987, Indianapolis.
- (145) Federation of American Societies for Experimental Biology Summer Conference on the Regulation of Energy Balance. "Genotype, body fat and energy expenditure". 1987, Saxton River, VT.
- (146) Montreal Children's Hospital Research Institute. "Recent data on the genetics of obesity". McGill University, 1988, Montreal.
- (147) Sixtieth Annual Meeting of the American Academy of Physical Education. "Body composition: changes and implications of fat distribution with age". 1988, Kansas City.
- (148) The "Ellen Brennan Memorial Lecture". Department of Anthropology, College of Liberal Arts and College of Education, University of Texas. "Genotype-environment interaction in the adaptive process". 1988, Austin, TX.
- (149) Symposium national sur les troubles de l'alimentation. "L'obésité, un trouble alimentaire ?". 1988, Montréal.
- (150) Exercise Science Seminar, Arizona State University. "Genetics and adaptations to training". 1988, Tempe, AZ.
- (151) National Institute of Digestive, Diabetes and Kidney Diseases. "Genetics and human expenditure". 1988, Indian Medical Center, Phoenix.
- (152) New York Academy of Medicine. "Interaction of genotype and environment in causation of obesity". 1988, New York.

- (153) Annual Meeting of the American College of Sports Medicine. "Genotype and athletic potential"(tutorial lecture). 1988, Dallas, TX.
- (154) International Conference on Exercise, Fitness, and Health. 'Genotype and the paradigm exercise, fitness and health.' 1988, Toronto.
- (155) The Quaker Oats Bermuda Conference on Youth, Exercise, and Sport. 'Exercise and weight control during growth'. 1988, Bermuda.
- (156) Seoul Olympic Scientific Congress. 'Genetics and adaptation to training'. 1988, Seoul, South Korea.
- (157) C.P.P.Q. & la S.Q.T.R.P. 'Hérédité, nutrition, exercices et vieillissement'. 1988, Québec.
- (158) Colloque sur le traitement de l'obesite par l'exercice, la nutrition et la pharmacologie, AQSAP et DEP. 'Qui peut devenir obese ?' 1988, Québec.
- (159) Fondation canadienne des maladies du coeur. 'Contribution de l'heredite et de l'environnement aux facteurs de risque des maladies cardiovasculaires'. 1988, Montréal.
- (160) The 61st Scientific Sessions of the American Heart Association. 'Genetic factors in fat distribution'. 1988, Washington, DC.
- (161) Euro médecine 88. 'Génotype et contrôle du poids'. 1988, Montpellier.
- (162) Colloque Innovations et Connaissances 88 en Activité Physique. 'Exercice, condition physique et santé'. 1988, Québec.
- (163) Symposium on Obesity of Weight Watchers International and the Institute of Human Nutrition, Columbia University. The Tenth Annual William H. Sebrell Lecture: 'Genetics of fat distribution and metabolic rates.' 1988, New York.
- (164) Denver University Medical School, Division of Endocrinology. Genetics of body fat and energy expenditures. 1988, Denver.
- (165) Denver University Medical School, Endocrinology Rounds. 'Genetics of adaptation to overfeeding'. 1988, Denver.
- (166) National Institutes of Health, NIDDK. 'Heredity and adaptation to overfeeding: recent findings'. 1989, Bethesda.
- (167) National Institutes of Health, Nutrition Coordinating Committee, DNRC and NIDDK. 'Genetic and environmental influences on body composition, energy balance and altered metabolism associated with the development of obesity'. 1989, Bethesda.
- (168) Centre de recherche de l'Hôpital Saint-François d'Assise. 'Hérédité et graisse corporelle: adaptation à la suralimentation'. 1989, Québec.

- (169) Centre de recherche en nutrition et Département de physiologie de l'Université Laval. 'Hérédité et adaptation à la suralimentation'. 1989, Sainte-Foy.
- (170) Symposium sur l'activité physique et la santé cardio-vasculaire, Education médicale continue de l'Université Laval. 'Le niveau habituel d'activité physique comme déterminant de la santé cardio-vasculaire'. 1989, Sainte-Foy.
- (171) Programme de biochimie médicale, Hôpital Saint-François d'Assise. 'Alimentation et métabolisme des lipides: rôle du génotype'. 1989, Québec.
- (172) UCLA Symposium on Molecular and Cellular Biology : Obesity: towards a molecular approach. 'Genetics of human obesity'. 1989, Keystone.
- (173) Pediatric Work Physiology Congress. 'Genotype, aerobic performance and the response to training'. 1989, Leuven, Belgium.
- (174) Conférences du Département de médecine du CHUL. 'Génotype, obésité et métabolisme de l'énergie'. 1989, Sainte-Foy.
- (175) National Institutes of Health Workshop on Basic and Clinical Aspects of Regional Fat Distribution. 'The genetic and non-genetic determinants of regional fat distribution'. 1989, Bethesda (MD).
- (176) North American Association for the Study of Obesity. 'Overview of lessons from the NIH Workshop on Basic and Clinical Aspects of Regional Fat Distribution'. 1989, Bethesda (MD).
- (177) National Academy of Science and National Institute of Medicine. 'Factors determining the response to long term overfeeding'. 1989, Chicago.
- (178) Ontario Association of Sport and Exercise Sciences. 'VO<sub>2</sub> max is not everything'. 1989, Toronto.
- (179) Conférences du Département de nutrition, Université de Montréal. 'Génotype, obésité, distribution de la graisse et adaptation à la suralimentation'. 1989, Montréal.
- (180) Servier Symposium on Fenfluramine. 'Risks of obesity and abdominal obesity'. 1989, Toronto.
- (181) Forum Lavoisier, Hôpital Bichat. 'Génétique et métabolisme énergétique chez l'homme'. 1989, Paris.
- (182) Troisième entretien du Centre Jacques Cartier. 'Adaptations métaboliques à l'exercice et à la suralimentation: rôle du génotype'. 1989, Lyon.
- (183) Annual Ontario Exercise Physiology Meeting. 'Genetics and adaptation to exercise: recent results and research directions.' 1990, Collingwood, Ontario.
- (184) Conférences du Département de biologie de l'Université Laval. 'Bases génétiques des performances musculaires'. 1990, Québec.

- (185) XI Congresso Nazionale, Unione Italiana Contro l'Obesita. 'Genetics aspects of obesity'. 1990, Catania.
- (186) The 1990 Deuel Conference on Lipids. 'Genetic determinants of body fat distribution'. 1990, San Diego.
- (187) Federation of American Societies for Experimental Biology. Symposium of AIN and ASCN. 'Genotype and energy expenditure variations in humans.' 1990, Washington, DC.
- (188) 7th Annual SCAN Symposium of the American Dietetic Association. 'Genetics of obesity and fat distribution'. 1990, Boston.
- (189) University of Leuven Hospital Gasthuisberg Seminars in Cardiology. 'Cardiovascular risk factors and regional fat distribution'. 1990, Leuven, Belgium.
- (190) Hypertension Research Unit, University Hospital Gasthuisberg. 'Implications of regional fat distribution and twin methodology for hypertension research'. 1990, Leuven, Belgium.
- (191) Conference of the Institute of Physical Education. 'Heredity and physical activity in the cardiovascular risk profile'. 1990, Leuven, Belgium.
- (192) American College of Sports Medicine. 'The path to and from the obese state: individual differences.' 1990, Salt Lake City.
- (193) A Colloquium of the American College of Sports Medicine. 'Body fat distribution: physical activity and health'. 1990, Salt Lake City.
- (194) XXXI<sup>ème</sup> Journées annuelles de diabétologie de l'Hôpital Hôtel-Dieu. 'Génétique et métabolisme énergétique chez l'homme'. 1990, Paris.
- (195) Sport : Le troisième millénaire, Symposium International de Québec. 'Bioéthique, éthique sociale et éthique du sport: le point de vue d'un biologiste'. 1990, Québec.
- (196) ICSSPE Workshop on Fitness Tests. 'The critical body composition variables in exercise and health promotion: excess body fat and fat topography'. 1990, Tampere, Finland.
- (197) University of Helsinki, Department of Medicine. 'Genetics of adaptation to positive and negative energy balance'. 1990, Helsinki, Finland.
- (198) The Ontario Fitness Council Conference. 'Research update: VO<sub>2</sub> max is not everything'. 1990, Toronto.
- (199) Seventh Annual Meeting of the American Society for Bariatric Surgery. 'The path to obesity: individual differences.' 1990, Toronto.
- (200) Annual Meeting of the Endocrine Society. 'Genetic determinants of fat distribution'. 1990, Atlanta.
- (201) Nutrition Society Meeting. 'Genotype and Food Interactions in Disease', 1990, York, UK.

- (202) Nutrition Society Symposium on Nutrient-Gene Interactions. 'Genetic influences on human energy metabolism and obesity'. 1990, York, UK.
- (203) National Heart, Lung and Blood Institute, NIH, Conference on Obesity and Cardiovascular Disease in Minority Populations. 'Overview: an examination of genetic and environmental factors in obesity among minority populations.' 1990, Bethesda, MD.
- (204) Canadian Society of Endocrinology and Metabolism, Canadian Diabetes Association, 59th Annual of the Royal College of Physicians and Surgeons of Canada. Symposium on Cell and Molecular Biology of Adipocytes and Obesity. 'Genetics of obesity'. 1990, Toronto.
- (205) International Symposium on Regional Fat Distribution. 'Genetics of body composition and fat distribution'. 1990, Osaka, Japan.
- (206) International Congress on Obesity, Symposium on Visceral Fat Obesity: Clinical and Experimental Aspects. 'Genetic determinants of body fat and fat distribution'. 1990, Kobe, Japan.
- (207) International Symposium on Diet and Obesity, University of Tsukuba. 'Adaptation to positive and negative energy balance in humans: the role of the genotype'. 1990, Tsukuba, Japan.
- (208) Harvard Continuing Medical Education Course on Treatment of Obesity: a Multidisciplinary Approach. 'Genetics, environment and metabolic determinants of body weight'. 1990, Boston.
- (209) Annual Bristol-Myers Squibb/Mead Johnson Symposium on Nutrition Research. 'Genetics of adaptation to overfeeding and negative energy balance'. 1990, Toronto.
- (210) Frontiers in Obesity Symposium, New Jersey Medical School. 'Genetics of obesity'. 1990, Newark, NJ.
- (211) Southeast Chapter of the American College of Sports Medicine Lecture Tour. 'Genetic basis of fitness and health'. 1990, University of Georgia, Athens, GA.
- (212) Southeast Chapter of the American College of Sports Medicine Lecture Tour. 'Regional fat distribution and cardiovascular disease'. 1990, Georgia State University, Atlanta.
- (213) Southeast Chapter of the American College of Sports Medicine Lecture Tour. 'Genetics of performance'. 1990, University of Alabama, Birmingham.
- (214) Southeast Chapter of the American College of Sports Medicine Lecture Tour. 'Genetic basis of fitness and health'. 1990, Florida State University, Tallahassee, FL.
- (215) Continuing Medical Education Course Sponsored by NAASO. Treatment of the Patient with Medically Significant Obesity: a Multidisciplinary Approach. 'Genetics and energy expenditure variations in humans.' 1990, Atlanta.
- (216) Anniversary Symposium on Directions in Nutrition and Food Science, Food and Nutrition Board, Institute of Medicine, National Academy of Sciences. 'New concepts of energy metabolism and obesity'. 1990, Washington, DC.

- (217) Conference on Current Management of Lipid Disorders, University of British Columbia Hospital. 'The genetics of obesity'. 1991. Blaine, Washington.
- (218) Conférence à l'occasion de la création du Centre de Recherche et d'Information Nutritionnelle (CERIN) de France. 'Génétique et adaptations nutritionnelles'. 1991, Paris.
- (219) The Science of Food Regulation Conference of the Pennington Biomedical Research Center. 'Overview: the genetics of energy balance'. 1991, Baton Rouge, LA.
- (220) Harvard Conference on Nutrition and Fitness of Children and Youth. 'Exercise during childhood and adolescence'. 1991, Boston.
- (221) International Congress on Sports Medicine and Human Performance. 'Nature vs nurture: evaluating the genetic component'. 1991, Vancouver.
- (222) Postgraduate Course on Diet in Prevention and Treatment of Chronic Disease, American Society for Clinical Nutrition. 'Metabolic risks of visceral abdominal obesity and their pathogenesis'. 1991, Seattle.
- (223) Club de Lipidologie du Québec. 'Adaptations à la suralimentation et au déficit énergétique'. 1991, Québec.
- (224) International Olympic Committee Sports Medicine Course. 'Genetics and performance'. 1991, Rio de Janeiro.
- (225) European Congress on Obesity, EASO. 'Human obesities: chaos or determinism?' 1991, Nice.
- (226) National Heart, Lung and Blood Institute, NIH, Obesity Education Initiative. 'Genetic and nongenetic determinants of obesity'. 1991, Bethesda, MD.
- (227) International Congress of Auxology. 'Heredity and regional fat distribution during growth'. 1991, Madrid.
- (228) Congreso Latino Americano de Nutricion. 'Etiology of obesity: Genetic factors'. 1991, San Juan, Puerto Rico.
- (229) Jahrestagung Deutsche Gesellschaft für Adipositasforschung. 'Beeinflussung des Grundumsatzes und der Thermogenese durch Körperliches Training'. 1991, Heidelberg, Germany.
- (230) Symposium on Overview of obesity and its treatment; Contribution by Fenfluramine (Ponderal Pacaps). 'Introduction and Conclusions to Symposium'. 1991, Vancouver.
- (231) Colloque de l'Université Laval : développements récents dans la prévention et le traitement de l'obésité. 'Adaptation à la suralimentation et au bilan énergétique négatif'. 1991, Québec.
- (232) CME Course sponsored by NAASO and University of California, Davis. Assessment and Treatment of the Patient with Medically Significant Obesity. 'Impact of genetics on development and maintenance of obesity'. 1991, Sacramento, CA.

- (233) NAASO/SSIB Annual Meeting. 'Genetics and energy balance: Caution is in order'. 1991, Sacramento, CA.
- (234) Canadian Association of Sport Sciences. 'Genetic Factors in adaptive mechanisms'. 1991, Kingston, Ontario.
- (235) International Olympic Committee World Congress on Sport Sciences. "The determinants of a champion athlete'. 1991, Barcelona.
- (236) Colloque ADDEPUL '91, Département d'éducation physique, Université Laval. 'Développements récents en biologie de l'activité physique'. 1991, Québec.
- (237) New England Chapter of the American College of Sports Medicine. 'The future of genetics in athletic performance'. 1991, Marlborough, MA.
- (238) Rocky Mountain Chapter of the American College of Sports Medicine. 'The genetics of human performance'. 1991, Denver, CO.
- (239) Workshop on Child and Adolescent Obesity: What, How, and Who ? International Life Sciences Institute. 'Genetic influences on energy expenditure'. 1991, Airlie, Virginia.
- (240) Ve biennale internationale des villes d'hiver. 'Les citadins nordiques sont-ils plus moroses et pantouflards ? 1992, Montréal.
- (241) Southeast Regional Chapter, American College of Sports Medicine. 'Current understanding of obesity'. 1992, Auburn, Alabama.
- (242) Southeast Regional Chapter, American College of Sports Medicine. 'Progress in molecular and reproductive biology and performance: The athlete of the future.' 1992, Auburn, Alabama.
- (243) Annual Virginia Nutrition Conference and NAASO CME Course. 'Etiology of Obesity: Genetics versus environment'. 1992, Hampton, Virginia.
- (244) Annual Virginia Nutrition Conference and NAASO CME Course. 'Energy expenditure and nutrient partitioning in obesity'. 1992, Hampton, Virginia.
- (245) Annual Meeting of the Human Biology Council. 'Genetics of obesity : caution is in order'. 1992, Las Vegas, Nevada.
- (246) Annual Meeting of the Human Biology Council. 'Adaptation to overfeeding and nutrient partitioning'. 1992, Las Vegas, Nevada.
- (247) FASEB Meeting. 'The response to exercise with constant energy intake in identical twins.' 1992, Anaheim, CA.
- (248) The International Conference on Physical Activity, Fitness and Health. 'Highlights of the 1992 Consensus Symposium'. 1992, Toronto.

- (249) The International Conference on Physical Activity, Fitness and Health. 'Physical Activity, Fitness and Health: Outstanding Issues'. 1992, Toronto.
- (250) The International Conference on Physical Activity, Fitness and Health. 'A critical examination of the active living concept'. 1992, Toronto.
- (251) International Conference on Nutrition and Fitness. 'Genetics of obesity and its prevention'. 1992, Athens, Greece.
- (252) American College of Sports Medicine. 'Genetics and molecular biology of exercise and sports science'. 1992, Dallas, Texas.
- (253) American College of Sports Medicine. 'Regional fat distribution: Metabolic implications and effects of exercise'. 1992, Dallas, Texas.
- (254) Wallenberg Symposium. 'The genetics of adipose tissue distribution'. 1992, Särö, Sweden.
- (255) Journées annuelles de diabétologie de l'Hôtel-Dieu. 'Génétique, prise alimentaire et adaptations nutritionnelles'. 1992, Paris.
- (256) Scientific Conference on the Cardiovascular Response to Exercise of the American Heart Association. 'Genetic determinants of cardiovascular "fitness" and response to exercise'. 1992, Chicago.
- (257) FASEB Conference. 'Genetics of energy expenditure and body energy content'. 1992, Copper Mountain, Colorado.
- (258) NAASO Annual Meeting and CME Course of the Emory University School of Medicine. 'Who is at risk? The importance of genetic individuality'. 1992, Atlanta.
- (259) Royal College of Physicians and Surgeons of Canada. 'Physical activity and diabetes : Importance of biological individuality'. 1992, Ottawa.
- (260) Scientific Meeting of the Wilderness Medical Society. 'The genetics of physical performance'. 1992, Keystone, Colorado.
- (261) Joint CASS/SCAPPS Conference. 'Genetics of obesity during growth and subsequent health outcomes.' 1992, Saskatoon.
- (262) Competitive Edge Conferences of the California City Sports. 'Genetic basis of performance'. 1992, Boston.
- (263) Competitive Edge Conferences of the California City Sports. 'Body fat content, fat distribution and metabolism'. 1992, Boston.
- (264) Symposium du Centre de recherche sur l'endocrinologie moléculaire et le développement. 'Génétique de l'obésité'. 1992, Meudon, France.



- (265) Groupe DIAMENORD, Service d'Endocrinologie et de Diabétologie du Centre hospitalier régional universitaire de Lille. 1992, Lille, France.
- (266) Symposium SERVIER CANADA INC. 'Introduction à la mise à jour sur l'obésité, traitement et complications'. 1992, Québec.
- (267) North American Society of Pediatric Exercise Medicine. 'Genetics of Fitness and Fatness'. 1992, Florida.
- (268) Endocrine Grand Rounds of Beth Israel Hospital. Harvard Medical School. 'Genetics of obesity and of its metabolic complications'. 1992, Boston.
- (269) Harvard University and Tufts University. continuing Medical Education on Obesity. 'Genetics of obesity and energy expenditure'. 1992, Boston.
- (270) Annual Research symposium. General Clinincal Research Center, University of Virginia. 'Adaptation to overfeeding and to negative energy balance induced by exercise in identical twins'. 1992, Virginia.
- (271) NIDDK, NIH Workshop on Physical Activity and Obesity. 'Genetics, physical activity and energy balance'. 1992, Bethesda.
- (272) Center for the Prevention of Cardiovascular Disease, Stanford University.' Genes and obesity'. 1993, Palo Alto, CA.
- (273) American Heart Association Prevention Conference. 'Genetic variation and gene-environment interactions in the etiology of obesity'. 1993, Monterey, CA.
- (274) Royal Victoria Hospital, McGill University. 'Genetic aspects of the response to human overfeeding'. 1993, Montréal.
- (275) American Association for the Advancement of Science. 'Genetics and obesity : What genetic analyses do and do not tell us'. 1993, Boston.
- (276) Sir Mortimer B. Davis - Jewish General Hospital, Endocrine Grand Rounds. 'Genetics of obesity and its metabolic complications'. 1993, Montréal.
- (277) University of Pittsburgh, Western Psychiatric Institute and Clinic, Behavioral Weight control Program. 'Genetics of obesity and fat distribution'. 1993, Pittsburgh.
- (278) UCLA Extension and North American Association for the Study of Obesity (NAASO). 'Genetics of obesity and energy expenditure'. 1993, Los Angeles.
- (279) New York Academy of Sciences. Prevention and Treatment of Childhood Obesity. 'Genetic aspects of obesity'. 1993, Bethesda.
- (280) Brigham Young University, Symposium on The Genetic Revolution. 'Genetic variation and a common health problem: The case of obesity'. 1993, Salt Lake City.

- (281) Hôpital Sainte-Justine. 'Génétique de l'obésité et ses complications métaboliques'. 1993, Montréal.
- (282) New developments in the genetics of NIDDM. 'Genetics of obesity'. 1993, Château de Maffliers, France.
- (283) Columbia-Presbyterian Medical Center. The National Obesity and Weight Control Symposium. 'Genetics of obesity'. 1993, New York.
- (284) American Heart Association. Scientific Conference on Central Obesity/Insulin Resistance Syndrome and Coronary Artery Disease. 'Genetic versus acquired obesity'. 1993, Bethesda.
- (285) Grand Rounds, Department of Medicine, University of Tennessee. 'Genetics of obesity'. 1993, Memphis.
- (286) Hôpital Maisonneuve-Rosemont. 'Génétique de l'obésité et de l'adaptation à la suralimentation'. 1993, Montréal.
- (287) European symposium on Metabolism, University of Padova. 'Genetics of causes and manifestations of the metabolic syndrome'. 1993, Padova, Italy.
- (288) Obesity treatment: An Advanced Research Workshop Sponsored by The North Atlantic Treaty Organization and The National Institutes of Health. 'Expression of genetic information influencing energy balance in humans.' 1993, New York.
- (289) European Congress on Obesity. 'Recent advances on the molecular and genetic basis of human obesities.' 1993, Ulm, Germany.
- (290) American Diabetes Association. 'Genetic and environmental correlates of obesity and diabetes'. 1993, Las Vegas.
- (291) International Puijo Symposium. 'Body composition and health: gender differences.' 1993, Kuopio, Finland.
- (292) International Symposium on insulin resistance as a risk factor for cardiovascular disease. 'Genetic aspects of the metabolic syndrome'. 1993, Ste-Adèle, Québec.
- (293) Servier colloquium. 'Human obesities: Etiology, risks, treatment'. 1993, Brisbane (July 13), Sydney (July 20) and Melbourne (July 21), Australia.
- (294) Endocrinology Seminar, Royal Prince Alfred Hospital. 'Some thoughts on the metabolic syndrome'. 1993, Sydney, Australia.
- (295) University of Sydney, Cumberland College of Health Sciences. 'Genetics and the response to exercise'. 1993, Sydney, Australia.
- (296) Nutrition Society of Australia. 'Obesity: an inherited disease?' 1993, Sydney, Australia.

- (297) Garwin Institute of Medical Research, St-Vincent's Hospital. 'Genetics of obesity and diabetes.' 1993, Sydney, Australia.
- (298) International Diabetes Institute. 'Obesity and diabetes: the genetic connection'. 1993, Caulfield, Victoria, Australia.
- (299) Endocrinology Seminar, Austin Hospital. 'Response to overfeeding: individual differences.' 1993, Melbourne, Australia.
- (300) Australasian Society for the Study of Obesity (ASSO). 'Current status of the genetic and molecular basis of obesity'. 1993, Melbourne, Australia.
- (301) Australasian Society for the study of obesity (ASSO). 'The response to overfeeding in identical twins.' 1993, Melbourne Australia.
- (302) Obesitas International Congress on Obesity Management. 'What is obesity? Why do some people get fat?' 1993, Antwerpen, Belgium.
- (303) Département de Médecine, Centre hospitalier universitaire de Liège. 'Les obésités humaines: Bases génétiques et moléculaires'. 1993, Liège, Belgique.
- (304) Institut de Recherche Clinique de Montréal. 'Génétique de l'obésité et ses complications'. 1993, Montréal.
- (305) Hôpital Notre-Dame (Séminaire en Endocrinologie). 'Génétique de l'obésité et ses complications'. 1993, Montréal.
- (306) Hôtel-Dieu de Montréal. 'Génétique de l'obésité et ses complications'. 1993, Montréal.
- (307) Coloquio Internacional de Antropologia Fisica Juan Comas. Museo Nacional de Antropologia. 'Genetics and human physical performance.' 1993, Mexico.
- (308) Hôtel-Dieu de Lévis, enseignement médical continu. 'Génétique de l'obésité'. 1993, Lévis, Québec.
- (309) International Conference on weight control, the treatment of obesity and achieving optimal weight in sports. 'Genetics of body fat content and its response to exercise'. 1994, Athens, Greece.
- (310) Pennington Molecular & Genetic Aspects of Obesity Symposium. 'Association and SIB pair linkage studies'. 1994, Baton Rouge, Louisiana.
- (311) The Club of Cologne Meeting on Health Promotion and Physical Activity. 'Physical activity and health in childhood and adolescence'. 1994, Cologne, Germany.
- (312) HMR Medical Director's Meeting. 'Exercise benefits for weight control'. 1994, Boston.
- (313) Endocrinologues de la région de Québec. 'Génétique de l'obésité et ses complications'. 1994, Ste-Foy.

- (314) University of Guelph. College of Biological Science, Third Decade Lecture Series. 'Genetic and molecular basis of obesity'. 1994, Guelph, Ontario, Canada.
- (315) 40th Anniversary Meeting of the American College of Sports Medicine. "Recommendations from the 1992 ICPAFH Toronto Conference". 1994, Indianapolis, Indiana.
- (316) Scientific Conference. Gatorade Sports Science Institute. 'Exercise in older adults.' 1994, Cancun, Mexico.
- (317) Servier Canada, Musée de la civilisation. 'L'Obésité: Un problème de taille'. 1994, Québec.
- (318) Tokyo Metropolitan Health Promotion Center. 'Regular exercise and health: benefits and risks.' 1994, Tokyo, Japan.
- (319) Congrès francophone sur l'obésité. 'Génétique et obésité'. 1994, Tunis.
- (320) University of Texas at Austin. 'The genetics of obesity and of its metabolic implications'. 1994, Austin, Texas.
- (321) Division of Human Biology and FELS Research Institute, Wright State University. 'Genetics of individual differences in visceral fat and metabolic indicators.' 1994, Dayton, Ohio.
- (322) Sociedad Mexicana de Nutricion y Endocrinologia. 'Is obesity an inherited condition?' 1994, Ixtapa, Mexico.
- (323) Annual Conference on Exercise Sciences and Sports Medicine. 'Endurance performance: genetic and environmental differences within and between populations'. 1995, San Juan, Puerto Rico.
- (324) Ninth Annual Conference on Exercise Sciences and Sports Medicine. 'Exercise in children and adolescents: risks and benefits.' 1995, San Juan, Puerto Rico.
- (325) Servier Canada. 'Génétique de l'obésité et ses complications'. Hôpital Enfant-Jésus, Québec.
- (326) Catholic University of Leuven. 'The genetics of endurance performance'. 1995, Leuven, Belgium.
- (327) Belgium Association for the Study of Obesity (BASO). 'Genetics of body fat and fat distribution and their metabolic correlates.' 1995, Brussels.
- (328) 3rd SEMDSA, 1st SASO Diabetes Care Symposium. 'Genetics of obesity and fat distribution'. 1995, Bloemfontein, South Africa.
- (329) 3rd SEMDSA, 1st SASO Diabetes Care Symposium. Pimstone Memorial Lecture. 'Abdominal visceral fat as a risk factor for diabetes and vascular diseases.' 1995, Bloemfontein, South Africa.
- (330) Conference on Nutrition and Physical Activity to optimize performance and well-being. International Conference Series on Nutrition and Health Promotion. 'Can obesity be prevented?' 1995, Atlanta.

- (331) Servier Canada. 'L'obésité plus qu'un problème de poids'. 1995, Chicoutimi, Québec.
- (332) 6th Symposio Internacional sobre obesidade. 'Is obesity a genetic disease?' 1995, Recife, Brazil.
- (333) 6th Symposio Internacional sobre obesidade. 'Physical activity and the treatment of obesity'. 1995, Recife, Brazil.
- (334) Département d'éducation physique, Université de Montréal. 'Génétique de l'obésité et de ses complications'. 1995, Montréal.
- (335) President's Lecture. ACSM Annual Meeting. 'Obesity and exercise: role of genetic variation'. 1995, Minneapolis.
- (336) Children's Nutrition Research Center, Baylor College of Medicine, CNRC Seminar Series. 'Genetics and molecular basis of obesity and fat distribution'. 1995, Houston.
- (337) Marabou Symposium on Early Nutrition and Life-long Health. 'Long-term programming of body size'. 1995, Stockholm.
- (338) FISU/CESU Conference. The 18th Universiade 1995 Fukuoka Program. Sport and Man: Creating a new vision. 'Exercise and health: the importance of individual differences.' 1995, Fukuoka, Japan.
- (339) WHO Collaborating Center Seminar on Physical Activity and Health. Tokyo Medical College Hospital. 'Exercise and obesity: are the genes making a difference?' 1995, Tokyo.
- (340) WHO Collaborating Center on Physical Activity and Health. Tokyo Metropolitan Health Promotion Center. 'Exercise and health - from genetic epidemiology to molecular epidemiology'. 1995, Tokyo.
- (341) Congress of the International Federation of Fertility Societies Satellite symposium on Weight, Nutrition and Hormonal Events in Women. 'Genetic determinants of regional fat distribution. 1995, Montpellier, France.
- (342) Servier Laboratories Australia. Interactive satellite broadcast on Reducing the burden of abdominal fat. 'Genetic susceptibility to abdominal obesity'. 1995, Sydney.
- (343) Servier Laboratories Australia Grand Rounds on Obesity. 'Abdominal obesity and metabolic problems: are the genes involved?' 1995, Sydney.
- (344) Workshop of the Canadian Collaborative Study Group on Obesity. 'Historical development and genetic aspects of human obesity.' 1995, Montréal.
- (345) Servier Canada et Hôpital St-François d'Assise de Québec. 'Génétique de l'obésité'. 1995, Québec.
- (346) NAASO Annual Meeting. 'Genetics of human obesity: current status of the gene map'. 1995, Baton Rouge.

- (347) Canadian Society for Exercise Physiology. 'Genetic, exercise and body weight regulation'. 1995, Québec.
- (348) Abertura Oficial do Forum Lisboa, a Cidade e Desporto. 'Physical activity and Health'. 1995, Lisbon, Portugal.
- (349) University of Coimbra. 'Physical Activity and Visceral Fat'. 1995, Coimbra, Portugal.
- (350) The Ciba Foundation. Tropical Metabolism Research Unit Meeting on Obesity: its origins, consequences and treatment. 'Genetics of obesity in humans.' 1995, Kingston, Jamaica.
- (351) Conferencia Nestle de Nutricion. Fundacion Mexicana para la Salud Fondo Nestle para la Nutricion. 'The genetic influence on body weight is critical.' 1996, Mexico.
- (352) Unione Italiana Contro l'Obesità (UICO). XIV Congresso Nazionale. 'Genetics of Human Obesity'. 1996, Roma.
- (353) Club des sciences du comportement, Université Laval. 'Obésité: génétique ou comportement?' 1996, Québec.
- (354) FASEB Meeting. 'Genetic influences on the response of body fat and fat distribution to positive and negative energy balance'. 1996, Washington, DC.
- (355) The Per Björntorp Symposium on Obesity: from genes to therapy. 'Genetics of abdominal obesity'. 1996, Barcelona.
- (356) 7th European Congress on Obesity. 'Genetics of obesity.' 1996, Barcelona.
- (357) Association des médecins endocrinologues du Québec. 14e réunion scientifique annuelle. 'Obésité et génétique.' 1996, Québec.
- (358) American Society for Bariatric Surgery. 'Genetic basis of obesity and visceral obesity'. 1996, Québec.
- (359) International Puijo Symposium on Physical Activity, Diet and Cardiovascular Diseases. 'Visceral obesity as a component of the insulin resistance syndrome: effect of physical activity'. 1996, Kuopio, Finland.
- (360) International Puijo Symposium on Physical Activity, Diet and Cardiovascular Diseases. 'Gene-physical activity and gene-diet interactions: from genetic epidemiology to molecular markers.' 1996, Kuopio, Finland.
- (361) American College of Sports Medicine Scientific Roundtable on Physical Activity, Genetic and Nutritional Considerations in Childhood Weight Management. 'Genetics and body weight control during childhood.' 1996, Indianapolis.
- (362) The 1996 International Pre-Olympic Scientific Congress. 'Gene-physical activity and gene-diet interactions.' 1996, Dallas.

- (363) The 1996 International Pre-Olympic Scientific Congress. 'Genes as major determinants of sports performance'. 1996, Dallas.
- (364) Symposium by the National Heart Foundation of Australia. 'Recent advances in the genetics and molecular biology of obesity.' 1996, Sydney.
- (365) The Canadian Atherosclerosis Society and the Royal College of Physicians & Surgeons of Canada. Sandoz Lecture: 'Advances in the understanding of the genetic and molecular basis of obesity and abdominal obesity.' 1996, Halifax, Nova Scotia.
- (366) 69th Scientific Sessions of the American Heart Association. 'Genetic influences on obesity in humans.' 1996, New Orleans, Louisiana.
- (367) 69th Scientific Sessions of the American Heart Association. 'Genetic interactions with diet and obesity'. 1996, New Orleans, Louisiana.
- (368) Servier Canada. Introduction du premier traitement de l'obésité à long terme: REDUX. 'Épidémiologie de l'obésité en Amérique du Nord'. 1997, Québec.
- (369) American Heart Association, Scientific Conference on Preventive Nutrition: Pediatrics to Geriatrics. 'Nutrition and obesity: gene-diet interaction'. 1997, Salt Lake City.
- (370) Texas Lutheran University Annual Krost Symposium and Texas Regional Chapter American College of Sports Medicine Annual Meeting. Raven Lecture: 'Genes, physical activity, diet, and obesity'. 1997, Seguin, Texas.
- (371) American College of Sports Medicine Northwest Region Annual Conference. 'Genetics of high performance'. 1997, Spokane, Washington.
- (372) UAMS College of Medicine and the National Center for Toxicological Research. Obesity: Common Symptom of Diverse Gene-based Metabolic Dysregulations. 'Genetics of human obesity: recent results from linkage studies.' 1997, Little Rock, Arkansas.
- (373) 8th Annual Conference, American Journal of Health Promotion. 'Biological individuality: a neglected factor in health promotion initiatives.' 1997, Hilton Head Island, South Carolina.
- (374) International Task Force for Prevention of Coronary Heart Disease. 'Genetics of obesity'. 1997, Madrid.
- (375) Simpósio Internacional Sobre Obesidade. 'Recent advances on the genetic and molecular basis of obesity'. 1997, Porto Alegre, Brazil.
- (376) Simpósio Internacional Sobre Obesidade. 'Tracking of body fat during growth and childhood obesity.' 1997, Porto Alegre, Brazil.
- (377) Symposium on Obesity. Hospital Das Clinicas, Faculdade de Medicina da Universidade de Sao Paulo. 'The genetic map of obesity in 1997.' 1997, Sao Paulo, Brazil.

- (378) City Wide Endocrine Rounds. Mount Sinai Hospital. 'Molecular and genetic basis of obesity'. 1997, Toronto.
- (379) Toronto Diabetes Association. Annual Meeting and Scientific Day. 'The role of genetics in obesity.' 1997, Toronto.
- (380) Conference on Childhood and Adolescent Obesity: Prevention and Intervention. University of Minnesota. 'The genetic aspects of obesity.' 1997, Minneapolis.
- (381) Joseph B. Wolfe Memorial Lecture. American College of Sports Medicine Annual Meeting. 'The current obesity epidemic: chaos, gluttony, sloth or nature?' 1997, Denver.
- (382) An American College of Sports Medicine Roundtable. ACSM Annual Meeting. Physical activity, genetic and nutritional considerations in childhood weight management. 'Genetics of childhood weight control.' 1997, Denver.
- (383) 9th International Dresden Symposium on Lipoproteins and Atherosclerosis. 'Susceptibility genes and the metabolic syndrome.' 1997, Dresden, Germany.
- (384) The 4th International Conference on Preventive Cardiology. 'Les conséquences de la sédentarité sur la santé cardiovasculaire.' 1997, Montréal.
- (385) NAASO and NIH, NIDDK A Research Workshop on Advancing the Genetics of Obesity: Strategies & Methods. 'The use of the measured genotype approach in humans.' 1997, New Paltz, New York.
- (386) American Association of Clinical Endocrinologists. Clinical Symposium on pathways to atherogenesis: diabetes, dyslipidemia and obesity. 'Obesity: old challenge, new understanding.' 1997, Montreal.
- (387) University of Nebraska Biotechnology Seminar Series. 'Genetics of obesity: results from the Quebec Family Study'. 1997, Lincoln, Nebraska.
- (388) German Congress of Sports Medicine. 'Individual differences in response to regular exercise: an illustration of gene environment interactions.' 1997, Freiburg, Germany.
- (389) Satellite Symposium of the XIth International Symposium on Atherosclerosis. 'Genetics of obesity'. 1997, Saint-Malo, France.
- (390) The Royal College of Physicians, 5th International Symposium on sleep and breathing. 'Genetic influences on body fat distribution and potential relationship to OSA'. 1997, Edinburgh, Scotland.
- (391) Faculteit Lichamelijke Opvoeding en Kinesitherapie., Catholic University of Leuven. 'Recent advances in the genetics of human obesity.' 1997, Leuven, Belgium.
- (392) 4th Internationaal Sportwetenschappelijk Symposium. 'Genetics of aerobic and anaerobic performances in the light of talent identification.' 1997, Gent, Belgium.
- (393) Conférence de médecine de l'Hôpital Laval de Québec. 'Obésité, exercice physique et génétique'. 1997, Hôpital Laval, Québec.



- (394) Comités d'éducation et de formation sur l'obésité. Où en sommes-nous? 'Compréhension des bases cellulaires et moléculaires de l'obésité'. 1997, Magog-Orford, Québec.
- (395) The National Conference on Obesity and Co-Morbidity. 'Recent advances in the genetics of human obesity'. 1997, Fort Myers, Florida.
- (396) Département de pédiatrie, CHUQ. 'L'obésité chez l'enfant et l'adolescent.' 1998, Québec.
- (397) American Association for the Advancement of Science (AAAS), Annual Meeting and Science Innovation Exposition. 'Genetics of the response to overfeeding and of obesity'. 1998, Philadelphia.
- (398) Faculteit Lichamelijke Opvoeding en Kinesitherapie, Catholic University of Leuven. Symposium on Genetics of Health-related Physical Fitness. 'Genetics of Obesity'. 1998, Leuven, Belgium.
- (399) Honoris Causa Doctorate Lecture. Catholic University of Leuven. 'The wonders of human variation and the challenge of understanding its genesis: the opportunities offered by the Kinesiology domain.' 1998, Leuven, Belgium.
- (400) Colloque Association des Sciences de l'Activité Physique du Québec (AQSAP). 'Du phénotype au moléculaire: Un cheminement analogue à celui de l'éducation physique à la kinésiologie'. 1998, Montréal.
- (401) Conférence du Département de Médecine, Hôpital de l'Enfant-Jésus. 'Base moléculaire et génétique de l'obésité'. 1998, Québec.
- (402) 40th Anniversary of the Institute for Cardiology and Sports Medicine. 'From phenotypes to genes and back to phenotypes in sports sciences and sports medicine'. 1998, Cologne, Germany.
- (403) Congrès de l'ACFAS, Université Laval. 'Progrès récents dans l'identification des bases génétiques et moléculaires de l'obésité'. 1998, Québec.
- (404) National Diabetes Congress of Turkey and 3rd International Obesity Symposium. 'Determinants of abdominal visceral fat levels'. 1998, Ankara, Turkey.
- (405) FIMS World Congress of Sports Medicine. 'The genetic dissection of sports performance: a review of available methods'. 1998, Orlando, Florida.
- (406) Jornadas Internacionales de Excelencia en Medicina Deportiva in Argentina. 'Role of diet, physical activity and genetic differences in the prevalence of obesity'. 1998, Buenos Aires, Argentina.
- (407) Jornadas Internacionales de Excelencia en Medicina Deportiva in Argentina. 'Genetics and endurance performance'. 1998, Buenos Aires, Argentina.
- (408) International Puijo Symposium. 'Genetic determinants of obesity'. 1998, Kuopio, Finland.

- (409) International Symposium on Obesity: New Directions. 'What genetic research has taught us'. 1998, Charleston, South Carolina.
- (410) NIH and SRI International Workshop on The Genetics of Cardiovascular Disease: 'What is the role of twin studies?' 1998, Arlington, Virginia.
- (411) International Congress on Obesity of IASO. 'The genetic dissection of human obesity: illustrations from recent studies'. 1998, Paris, France.
- (412) The North American Society of Pediatric Exercise Medicine Meeting. 'Genetics of cardiorespiratory endurance: implications for children'. 1998, Amherst, MA.
- (413) Novartis Workshop on Obesity Science. 'Recent advances in the genetics of obesity'. 1998, Basel, Switzerland.
- (414) Obesitas Symposium of the University of Malmo. 'Genetics of human obesity and its implications for the prevention and treatment'. 1998, Malmo, Sweden.
- (415) Swedish National Institute of Public Health. Symposium organized by The National Health Authority on the effects of physical activity on health. 'The importance of genetic individuality'. 1998, Stockholm.
- (416) Karolinska Institute. 'Genetic individuality and the adaptive response to exercise'. 1998, Stockholm.
- (417) The Swedish Medical Society. 'Genetic differences in the health benefits associated with regular physical activity'. 1998, Stockholm.
- (418) The New England American College of Sports Medicine. 'Unfit or obese: which is more hazardous?' 1998, Providence, RI.
- (419) The New England American College of Sports Medicine. 'Genetics of obesity'. 1998, Providence, RI.
- (420) The Banbury Center Conference on Molecular Physiology of Weight Regulation and Obesity. Cold Spring Harbor Laboratory. 'Genetics of human obesity'. 1998, Cold Spring Harbor, NY.
- (421) Deakin University Molecular Biology Group & International Diabetes Institute Epidemiology Workshop. 'QTLs and obesity'. 1998, Melbourne, Australia.
- (422) Seminar of the International Diabetes Institute. 'Obesity: nutrition, physical activity or heredity?' 1998, Melbourne, Australia.
- (423) University of Melbourne. 'Obesity: genes and environment'. 1998, Melbourne, Australia.
- (424) The International Diabetes Institute and the Committee for Melbourne. 'The big bulge and biotechnology'. 1998, Melbourne, Australia.

- (425) Deakin University, Geelong Campus. 'Genetic and molecular basis of obesity', 1998, Geelong, Australia.
- (426) Pennington Biomedical Research Center Seminar Series. 'Genetics of obesity and of the metabolic syndrome cluster'. 1999, Baton Rouge, LA.
- (427) PFLC Conference on Perspectives in Exercise Testing & Prescription. 'The causes of the current obesity epidemic'. 1999, Banff, Alberta.
- (428) The Sol Kramer Lecture. 'Human adaptation to negative energy balance and regular exercise: is there a role for genes?' 1999, Pennsylvania State University, PA.
- (429) Obesity Canada Inaugural Symposium. 'Creation of OBESITY CANADA: It's about time'. 1999, Toronto.
- (430) CDC Workshop on the use of anthropometry to assess risk for diabetes and cardiovascular disease in disease prevention and primary care programs. 'Genetic aspects of waist, waist/hip, BMI'. 1999, Atlanta.
- (431) Medical College of Ohio Visiting Distinguished Lecturer. 'Etiology of obesity: Hyperphagia, physical inactivity or genes?' 1999, Toledo, Ohio.
- (432) The Graduate School VLAG Advanced Course in Nutritional and Lifestyle Epidemiology. 'Obesity, physical activity – gene environment interactions.' 1999, The Netherlands.
- (433) Deakin University (Geelong Campus) Seminar. 'Advances in Obesity and Diabetes Research.' 1999, Victoria, Australia.
- (434) A Symposium to Honor the Contribution of George Bray, MD, to the Field of Obesity. 'Genetics of Human Obesity'. 1999, Seabrook Island, South Carolina.
- (435) Pasteur Institute Euro Conference on Obesity: Genetics, pathophysiology and therapeutics on the eve of a major conceptual revolution. 'Overview of human obesity QTLs'. 1999, Paris.
- (436) International Dresden Symposium on Lipoproteins and Atherosclerosis. 'Genetics of the Metabolic Syndrome'. 1999, Dresden, Germany.
- (437) American Society of Hypertension - John H. Laragh Conference: Hypertension and the New Biology of Obesity. 'Genetics of obesity in humans'. 2000, Boca Raton, Florida.
- (438) Seventh Esko Nikkila Lecture, University of Helsinki. 'Genes, gene-environment and gene-gene interactions in obesity and its co-morbidities'. 2000, Helsinki.
- (439) Department of Physiology, LSU Health Sciences Center, New Orleans. 'Genetics of Adaptation to Exercise'. 2000, New Orleans.
- (440) Marathon Medicine 2000. 'Genetics basis for aerobic performance'. 2000, London, UK.

- (441) University of Leipzig. Deutsche Forschung Gemeinschaft Conference on Genetics, nutrition, and disease—consequences of obesity. ‘Epidemiology of genetic traits with obesity’. 2000, Leipzig, Germany.
- (442) Janssen-Cilag Symposium. ‘Identifying the obesity genes.’ 2000, Antwerp, Belgium.
- (443) European Congress on Obesity. ‘Genes, fat distribution and visceral fat’. 2000 Antwerp, Belgium.
- (444) Bristol-Myers Squibb. ‘The genetic basis of obesity’. 2000, Princeton, New Jersey.
- (445) International Symposium on Atherosclerosis. ‘Genetic factors and the response of CVD risk factors to regular exercise’. 2000, Stockholm.
- (446) Annual Symposium & Exposition Lipid Nurse Task Force Preventive Cardiovascular Nursing: Leading the Way into the 21<sup>st</sup> Century. ‘Genetics, Lifestyle and Prevention’. 2000, Washington DC.
- (447) American Physiological Society Intersociety Meeting: The Integrative Biology of Exercise. ‘The Role of Physical Activity in the Prevention of Obesity and Management of Body Weight’. 2000, Portland, Maine.
- (448) An Evidence-Based Symposium: Dose-Response Issues Concerning Physical Activity and Health. ‘Trainability and individual differences in response to regular exercise’. 2000, Hockley Valley Resort, Ontario, Canada.
- (449) Symposium for 50<sup>th</sup> Anniversary of National Institute of Diabetes and Digestive and Kidney Diseases. ‘Implications of the Human Genome in Obesity’. 2000, Long Beach, California.
- (450) Panamerican Congress on Obesity. ‘Genetics of metabolic rates & physical activity level’. 2000, Punta del Este, Uruguay.
- (451) Annual Texas Human Nutrition Conference, Texas A&M University. ‘Individual Differences in the Health Benefits Derived from Regular Exercise’. 2001, College Station, Texas.
- (452) New York Academy of Medicine Conference on Obesity: Causes, Consequences, and Treatments. ‘Genes and environment’. 2001, New York.
- (453) Genetics of the Acadian People: a Conference of the American Diabetes Association. ‘Genetic Factors in Obesity and Diabetes’. 2001, Thibodeaux, Louisiana.
- (454) Experimental Biology 2001. ‘Molecular Basis of Human Performance’. 2001, Orlando, Florida.
- (455) American College of Sports Medicine Northland Chapter. The HERITAGE Family Study. 2001, Minneapolis.
- (456) American College of Sports Medicine Annual Meeting. ‘How much physical activity to enjoy health benefits: What are the fundamental questions ?’ 2001, Baltimore.

- (457) Bristol-Myers Squibb Annual Metabolic Diseases Colloquium. 'Genetic and metabolic findings from The HERITAGE Family Study'. 2001, Lawrenceville, New Jersey.
- (458) The International Puijo Symposium. 'Physical activity and gene interactions – an update'. 2001, Kuopio, Finland.
- (459) Annual Congress of the European College of Sports Science. 'Genes, physical activity level, fitness and performance: research strategies and recent findings.' 2001, Cologne, Germany.
- (460) Annual Meeting of The North American Menopause Society. 'Commonalities of etiology between obesity and Type II diabetes.' 2001, New Orleans.
- (461) NAASO 2001. 'Recent progress in the genetics of obesity: Are there any practical implications?' 2001, Québec.
- (462) Academie Royale de Medecine de Belgique. 'The genetics of human obesity : recent progress'. 2001, Brussels.
- (463) Houston Lipid Society. 'Recent advances in genetics of human obesity'. 2001, Houston.
- (464) Vanderbilt University Clinical Nutrition Research Unit Seminar. 'Recent advances in the genetics of human obesity'. 2001, Nashville, TN.
- (465) An Obesity Canada-Canadian Institutes for Health Research-Health Canada Joint Conference, National Dialogue on Healthy Body Weights. 'Biological determinants of body weight level'. 2001, Toronto.
- (466) Husman Lecture at University of Maryland. 'Genetics, performance and trainability'. 2002, College Park, MD.
- (467) Experimental Biology 2002. 'Molecular predictors of adult weight gain'. 2002, New Orleans.
- (468) The Annual Congress of Japan Diabetes Society. 'Genes and the predisposition to abdominal obesity'. 2002, Tokyo, Japan.
- (469) American College of Sports Medicine Annual Meeting. 'Genetic influences on weight'. 2002, St. Louis, Missouri.
- (470) American College of Sports Medicine Annual Meeting. 'Genetic differences, fitness and performance symposium. Issues, research strategies and methods.' 2002, St. Louis, Missouri.
- (471) International Endurance and Sports Medicine Congress. 'The role of genes in the influence of regular exercise on health and performance'. 2002, Berlin, Germany.
- (472) Sport, Physical Activity and Health Conference: The contribution of science and the role of schools. 'Defining the genetic basis of fitness and a physically active lifestyle'. 2002, Porto, Portugal.

- (473) Penn State University Noll Summit: Health Implications of Physical Inactivity. 'Physical activity and inactivity: Considerations on individuals and populations'. 2002, College Park, Pennsylvania.
- (474) Medical University of South Carolina Medicine Grand Rounds. 'Advances in the genetics of obesity'. 2003, Charleston, SC.
- (475) Advances in Genetic Research in Cardiovascular Disease. 'Gene-physical activity interactions and the cardiovascular disease profile'. 2003, Osaka, Japan.
- (476) Medical University of South Carolina Research Seminar. 'Human variation in the adaptation to regular exercise.' 2003, Charleston, SC.
- (477) University of Texas Southwestern Medical Center Nutrition Rounds. 'Advances in genetics of obesity'. 2002, Dallas, TX.
- (478) University of Texas Southwestern Medical Center Metabolism Rounds. 'Gene physical activity interactions and the cardiovascular disease risk profile.' 2003, Dallas, TX.
- (479) American College of Sports Medicine Annual Meeting. A symposium in Honor of Dr. Robert M. Malina. 'The challenge of childhood obesity'. 2003, San Francisco.
- (480) The International Pujio Symposium. 'Perspectives on understanding human life and health – an exercise scientist's view'. 2003, Kuopio, Finland.
- (481) Conference of the International Society of Behavioral Nutrition and Physical Activity. 'Gene-nutrition and gene physical activity interactions.' 2003, Quebec.
- (482) 22<sup>nd</sup> Pediatric Work Physiology Meeting. Memorial lecture in honor of Dr Oded Bar-Or. 'The response to exercise: from Gregor Mendel to Oded Bar-Or'. 2003, Porto, Portugal.
- (483) Canadian Society for Exercise Physiology. 'Is ectopic fat deposition the missing link in the fitness-fatness relationship?' 2003, Niagara-on-the-Lake, Canada.
- (484) International Symposium on Obesity and Hypertension – Genetics and Molecular Mechanisms. 'The genetics of obesity with implications for hypertension.' 2003, Berlin, Germany.
- (485) American Heart Association Scientific Sessions. 'Genetics of abdominal obesity'. 2003, Orlando, Florida.
- (486) Purdue University Department of Health & Kinesiology. 'The Obesity Epidemic: Gluttony, Sloth or Nature?' 2004, West Lafayette, Indiana.
- (487) University of Colorado Health Sciences Center School of Medicine, Dean's Distinguished Seminar Series. 'The Obesity Epidemic: Gluttony, Sloth or Nature?' 2004, Denver, Colorado.
- (488) American Diabetes Association Scientific Sessions. 'Effectiveness of physical activity in reducing cardiovascular risk'. 2004, Orlando, Florida.

- (489) Endocrine Society Annual Meeting. 'Genetics of abdominal obesity'. 2004, New Orleans.
- (490) Endocrinologia Pediatrica e Nutrizione Congress. 'The Genetics of Obesity'. 2004, Naples, Italy.
- (491) Pediatric Clinic Faculty and Staff. University of Naples. Naples. 'Genetics of adipose tissue distribution.' 2004, Naples, Italy.
- (492) Annual Congress of the European College of Sport Science. 'Are there genetic and biological determinants of a physically active lifestyle ?' 2004, Clermont-Ferrand, France.
- (493) Annual Congress of the European College of Sport Science. 'Activité physique et sante'. 2004, Clermont-Ferrand, France.
- (494) Tulane University School of Medicine. Hypertension and Renal Center of Excellence. 'The Obesity Epidemic: Gluttony, Sloth, or Nature?' 2004, New Orleans.
- (495) International Conference and Exhibition of Sport Sciences. 'Obesity Epidemic: Causes and Impact'. 2004, Sao Paulo, Brazil.
- (496) International Conference and Exhibition of Sport Sciences. 'Are There Genetic and Biological Determinants for an Active Living ?' 2004, Sao Paulo, Brazil.
- (497) International Conference and Exhibition of Sport Sciences. 'Physical Activity and Health: Is Everybody Equal ?' 2004, Sao Paulo, Brazil.
- (498) USDA National Obesity Prevention Conference. 'Exercise and Energy Balance'. 2004, Bethesda, MD.
- (499) Australian Health & Medical Research Congress. 'Biological individuality and the response to regular exercise.' 2004, Sydney, Australia.
- (500) The 21st COE Symposium on the Promotion of Health and Sport Scientific Research. 'Exercise and Health: Do we all benefit equally ?' 2004, Tokyo, Japan.
- (501) International Life Science Institute Annual Meeting. 'Genetics and Obesity: Speculations on the Future'. 2005, New Orleans.
- (502) Crampton Award Lecture, McGill University. 'The Biology of Obesity : Beyond the Thrifty Gene Scenario'. 2005, Montreal.
- (503) Asia-Oceania Conference on Obesity. 'Genetics of Obesity.' 2005, Taipei, Taiwan.
- (504) Annual International Congress of Physiological Sciences. 'Genetic variability and the response to regular exercise'. 2005, San Diego, California.
- (505) International Congress on Prediabetes and Metabolic Syndrome. 'Genetics of Obesity'. 2005, Berlin.

- (506) University of Lausanne. Metabolic Syndrome: From Epidemiology to Molecular Mechanisms. 'Epidemiology and genetics of the metabolic syndrome'. 2005, Lausanne, Switzerland.
- (507) American Society of Hypertension. 'The Obesity Epidemic: Genes and Environment'. 2005, San Francisco.
- (508) International Economic Forum of the Americas. 'Causes and Consequences of the Obesity Epidemic'. 2005, Montreal.
- (509) American Diabetes Association Scientific Sessions. 'Genetics or Environment: Which Plays a Greater Role in Obesity ?' 2005, San Diego, California.
- (510) AgriFood Innovation Summit. 'Applying emerging science to address obesity'. 2005, Toronto.
- (511) Canadian Federation of Biological Sciences Annual Meeting. Presidential Award Lecture. 'Human Genetic Variation and the Benefits Accrued from Regular Exercise'. 2005, Guelph, Ontario, Canada.
- (512) The Children's Hospital Heart Institute Conference. 'Response to Exercise: Genetic and Epigenetic Effects'. 2005, Aspen, Colorado.
- (513) Baton Rouge Dietetic Association. 'The Obesity Epidemic: Genetics and Environment'. 2005, Baton Rouge, Louisiana.
- (514) Louisiana Association of Exercise Physiologists. 'Human Variation in the benefits derived from regular exercise: What are the implications?' 2005, Baton Rouge, Louisiana.
- (515) The Cooper Institute Grand Rounds Lecture. 'The global obesity problem and what to do about it'. 2005, Dallas, Texas.
- (516) The Cooper Institute Distinguished Lecture Series. 'Health Implications of the Individual Differences in the Response to Regular Exercise'. 2005, Dallas, Texas.
- (517) American Heart Association Obesity, Lifestyle, and Cardiovascular Disease Symposium. 'Obesity Overview: Genetics and Environment'. 2006, Washington, DC.
- (518) Children's National Medical Center – GenMed Seminar Series. 'Is there a biological predisposition to obesity?' 2006, Washington, DC.
- (519) Society of Behavioral Medicine Annual Meeting. 'Evidence for gene-nutrition and gene-physical activity interactions.' 2006, San Francisco.
- (520) ILSI North America Conference at Experimental Biology. 'Genetic and Epigenetic Influences in Health and Disease'. 2006, San Francisco.
- (521) American Physiological Society Symposium at Experimental Biology. 'Genetic variation can enhance our understanding of the biology of exercise'. 2006, San Francisco.



- (522) American Society for Nutrition Symposium at Experimental Biology. 'Recent advances in the genetics of obesity: Mining the human genome for genes'. 2006, San Francisco.
- (523) EU/US Conference on Good Practices: Action on Diet, Physical Activity and Health. 'Recent research findings on causes and impact of obesity'. 2006, Brussels.
- (524) The Shanghai Jiatong University Obesity Symposium. 'Is there a Biological Basis for the Current Obesity Epidemic?' 2006, Shanghai, China.
- (525) American College of Sports Medicine Annual Meeting. 'Human Genetic Variation and the Response to Exercise'. 2006, Denver, Colorado.
- (526) American College of Sports Medicine Annual Meeting. 'Familial Aggregation and Genetic Factors as Determinants of Sedentarism and Physical Activity Level'. 2006, Denver, Colorado.
- (527) University of Porto Health Education Workshop. 'Physical Inactivity as a Major Determinant of the Obesity Epidemic'. 2006, Porto, Portugal.
- (528) University of Porto Health Education Workshop. 'Genes and Trainability as Determinants of Performance'. 2006, Porto, Portugal.
- (529) Physical Activity and Obesity International Congress Satellite Conference. 'Physical Activity, Obesity, and Public Health'. 2006, Brisbane, Australia.
- (530) Association Française pour la Médecine du Sport. 'Genetics and the response to training: lessons from the HERITAGE Family Study'. 2006, Paris, France.
- (531) Wright Patterson Air Force Base. 'Role of genetics in performance and trainability'. 2007, Dayton, Ohio.
- (532) Human Biology Association Annual Meeting. Raymond Pearl Memorial Lecture. 'Genetics and health benefits associated with physical activity'. 2007, Philadelphia, PA.
- (533) Physical Fitness and Health of Children and Youth Conference. 'Physical Activity Among the Determinants of Obesity: Implications for Public Health'. 2007, Terceira, Azores Islands, Portugal.
- (534) Physical Fitness and Health of Children and Youth Conference. 'Genetics and Training as Determinants of Endurance Performance'. 2007, Terceira, Azores Islands, Portugal.
- (535) American College of Sports Medicine Annual Meeting. 'The Emergence of Genetics in Sports Medicine'. 2007, New Orleans.
- (536) Nordic Congress of Cardiology. 'Obesity, Genes and Lifestyle'. 2007, Oulu, Finland.
- (537) Satellite Symposium of the European Atherosclerosis Society Congress: Metabolic Syndrome. 'Genes and the Metabolic Syndrome'. 2007, Turku, Finland.

- (538) American Diabetes Association Scientific Sessions. 'Human variation in the response of diabetes and cardiovascular risk factors to regular exercise: results from the HERITAGE Family Study'. 2007, Chicago.
- (539) American Diabetes Association Scientific Sessions. 'Gene-nutrition and gene-physical activity interactions in the modulation of type 2 diabetes risks'. 2007, Chicago.
- (540) International Conference on Physical Obesity Activity and Obesity in Children. 'Is there a biological basis for the obesity epidemic?' 2007, Toronto.
- (541) National Taiwan University Hospital. 'Is there a biological predisposition to obesity?' 2007, Taipei, Taiwan.
- (542) National Health Research Institute of Taiwan. 'Is there a biological predisposition to obesity?' 2007, Taichung, Taiwan.
- (543) European Association for the Study of Diabetes. 'Genes and response to exercise in diabetes'. 2007, Amsterdam.
- (544) Cleveland Clinic Obesity Summit. 'Is biology involved in the predisposition to obesity'. 2007, Cleveland.
- (545) Association des Endocrinologues du Québec. 'Est-ce que les bénéfices des activités physiques sont les mêmes pour tous?' 2007, Montréal.
- (546) Spanish Society for the Study of Obesity. 'Is biology involved in the risk of becoming obese?' 2007, Zaragoza, Spain.
- (547) Arkansas Children's Nutrition Research Center. 'Is there a biological basis to the predisposition to obesity?' 2007, Little Rock, Arkansas.
- (548) World Congress on Prevention of Diabetes and its Complications. 'Obesity as a risk factor for T2DM'. 2008, Helsinki.
- (549) NIH Mechanisms of Behavior Change Colloquium. 'Changes in Behavior Lead to Widely Divergent Responses'. 2008, Rockville, Maryland.
- (550) ILSI North American Workshop on Early Risk Determinants and Later Health Outcomes: Implications for Research Prioritization and the Food Supply. 'Childhood obesity: are genetic differences involved?' 2008, Washington, DC.
- (551) Club de Recherches Cliniques du Québec. 'La prédisposition biologique à l'obésité.' 2008, la Malbaie, Quebec.
- (552) The Obesity Society Annual Meeting. 'Genes and Exercise: Key Lessons for Obesity Practitioners and Scientists'. 2008, Phoenix, Arizona.
- (553) Annual Meeting of the German Obesity Society. 'Is there a genetic predisposition to obesity?' 2008, Freiburg, Germany.

- (554) US-Japan-Vietnam Joint Scientific Meeting. 'Is there a biological predisposition to obesity?' 2008, Ho Chi Minh City, Vietnam.
- (555) US-Japan-Vietnam Joint Scientific Meeting. 'Is there a biological predisposition to obesity?' 2008, Hanoi, Vietnam.
- (556) Scientific Meeting of the Chinese Diabetes Society. 'Is there a genetic predisposition to obesity and metabolic syndrome?' 2008, Xiamen, China.
- (557) Experimental Biology Annual Meeting. 'Genetics of Adaptation to Exercise.' 2009, New Orleans.
- (558) American College of Sports Medicine Annual Meeting. European College of Sport Science Exchange Lecture. 'Genomics and Exercise'. 2009, Seattle, Washington.
- (559) International Conference on Diet and Activity Methods. 'The magnitude of the energy gap and its determinants'. 2009, Washington, D.C.
- (560) Annual Congress of the European College of Sport Science. 'Exercise Genomics: Results from the HERITAGE Family Study'. 2009, Oslo, Norway.
- (561) Nordic Physiotherapy Congress. 'Genetics and Health Implications of Regular Exercise.' 2009, Oslo, Norway.
- (562) Canadian Society of Endocrinology and Metabolism. 'Obesity is Due to Sloth and Gluttony Debate (con)'. 2009, Montreal.
- (563) Northwestern University School of Medicine Medical Grand Rounds. 'Is there a genetic predisposition to obesity and where does it reside?' 2009, Chicago.
- (564) Canadian Society of Exercise Physiology. 'Exercise Genomics: Implications for Disease Prevention and Performance'. 2009, Vancouver, BC.
- (565) Canadian Society of Exercise Physiology. 'BMI vs Waist Circumference: If you had to pick, which should you choose?' 2009, Vancouver, BC.
- (566) American Heart Association Joint EPI and NPAM Conference. 'Gene-environment interaction effects are ubiquitous'. 2010, San Francisco.
- (567) University of Wisconsin-Madison, Annual Henry Montoye-Francis Nagle Lecture in Kinesiology. 'Genomic and Transcriptomic Predictors of the Response to Regular Exercise'. 2010, Madison, Wisconsin.
- (568) University of South Carolina, Delta Omega Public Health Honor Society Lecture. 'Predicting the Benefits Derived from Regular Exercise: Implications for Public Health and Personalized Medicine'. 2010, Columbia, South Carolina.

- (569) University of South Carolina, Arnold School of Public Health Distinguished Commencement Speaker. 2010, Columbia, South Carolina.
- (570) Children's National Medical Center. 'Genomic and Transcriptomic Predictors of the Response to Regular Exercise'. 2010, Washington, DC.
- (571) American College of Sports Medicine Annual Meeting, Tutorial Lecture: 'Exercise Genetics for Fitness and Performance Scientists and Practitioners: How Many Genes Does it Take to Account for Human Variation in Fitness and Trainability'. 2010, Baltimore, MD.
- (572) Wingate Congress of Exercise and Sport Sciences. 'Importance of Exercise Genomics for Human Variation in Health and Performance'. 2010, Wingate Institute, Netanya, Israel.
- (573) Euroscience Open Forum. 'Understanding and Predicting Functional Responsiveness to Physical Activity in Humans: A Systems Biology Approach.' 2010, Torino, Italy.
- (574) Joint Meeting of the North American Society for Pediatric Exercise Medicine and the European Pediatric Work Physiology. 'Oded Bar-Or Memorial Lecture: Genomic Predictors of the Ability to Benefit from Regular Exercise'. 2010, Niagara-on-the-Lake, Canada.
- (575) Japan-Korea-USA Obesity Symposium. 'Transcriptomics and Genomics to Identify Genes and Sequence Variants Predicting Benefits Accrued from Regular Exercise in Normal Weight and Overweight Adults'. 2010, Maebashi City, Japan.
- (576) Canadian Society for Exercise Physiology. 'Predicting the Response to Exercise in the Era of Personalized Medicine' 2010, Toronto.
- (577) Global Obesity Summit. 'Transcriptomic and Genomic Predictors of the Ability to Benefit from Regular Exercise in Normal Weight and Overweight Adults'. 2010, Jackson, MS.
- (578) International Society of Nutrigenetics and Nutrigenomics (ISNN). 'Transcriptomics and Genomics to Evidence Gene-Environment Interactions' 2010, Pamplona, Spain.
- (579) University of Nevada School of Medicine. 'Transcriptomic and Genomic Predictors of the Ability to Benefit from Regular Exercise in Normal Weight and Overweight Adults'. 2011, Reno, Nevada.
- (580) Kaiser Permanente Division of Research. 'Genetics of Obesity, Fitness and Activity with Highlights of CARDIA Genetic Studies'. 2011, Oakland, CA.
- (581) Brock University, Faculty of Applied Health Sciences Commencement Speaker and Recipient of Honorary Doctoral Degree. 2011, St. Catherines, Ontario, Canada.
- (582) University of Guelph College of Biological Science. 'Genomic Predictors of the Ability to Respond to Regular Exercise'. 2011, Guelph, Ontario, Canada.
- (583) University of Guelph Commencement Speaker and Recipient of Honorary Doctoral Degree. 2011, Guelph, Ontario, Canada.

- (584) The Obesity Society Annual Meeting. 'Genomic Predictors of Human Heterogeneity in Weight Loss and Weight Gain'. 2011, Orlando, Florida.
- (585) German Sports Medicine Congress. 'Physical Activity Attenuates the Influence of a Genetic Predisposition to Obesity'. 2011, Frankfurt, Germany.
- (586) Canadian Society for Exercise Physiology. John Sutton Memorial Lecture. 'Genomic Predictors of the Ability to Benefit from Regular Exercise'. 2011, Quebec.
- (587) Norwegian University of Science and Technology, Cardiac Exercise Research Group Seminar on Exercise in Medicine. 'Genomic Predictors of the Ability to Respond to Regular Exercise'. 2011, Trondheim, Norway.
- (588) University of Miami Miller School of Medicine Dr. John T. McDonald Foundation, Department of Human Genetics, and Hussman Institute for Human Genomics. Human Genetics and Genomics Distinguished Speaker Series. 'Genomic Predictors of the Ability to Respond to Regular Exercise'. 2012, Miami, Florida.
- (589) Joint Meeting of The Physiological Society and the British Pharmacological Society. The Biomedical Basis of Elite Performance. 'Genomic Predictors of Trainability.' 2012, London, UK.
- (590) American College of Medical Genetics Annual Clinical Genetics Meeting. 'Genetic and Transcriptomic Predictors of the Response to Exercise Training.' 2012, Charlotte, North Carolina.
- (591) Society of Behavioral Medicine Annual Meeting and Scientific Sessions. 'Genomic Predictors of the Health Benefits Derived from Regular Exercise.' 2012, New Orleans.
- (592) Université Laval, Faculté de médecine, Département de kinésiologie. Séminaire de l'éducation continue sur la Promotion d'un Mode de Vie Sain. 'Prédire l'Ampleur de la Réponse a un Programme d'Activité Physique et en Particulier les Cas de Mésadaptation'. 2012, Québec.
- (593) Nike Sparq2012 Performance Summit. 'Genomic Predictors of Human Variation in Trainability'. 2012, Beaverton, Oregon.
- (594) American College of Sports Medicine Annual Meeting. 'Talent Influences the Ability to Respond Favorably to Exercise Training'. 2012, San Francisco.
- (595) University of Ottawa, Faculty of Health Sciences Commencement Speaker and Recipient of Honorary Doctoral Degree. 2012, Ottawa.
- (596) University of Ottawa Faculty of Health Sciences. 'Genomic Predictors of the Ability to Benefit from Regular Exercise'. 2012, Ottawa.
- (597) Brazilian Symposium on Genomics and Sports. 'Genomic and Transcriptomic Predictors of Trainability'. 2012, Sao Paulo, Brazil.
- (598) International Convention of Science, Education and Medicine in Sport (ICSEMIS). 'Genomic and Transcriptomic Predictors of Trainability'. 2012, Glasgow, Scotland.

- (599) Fronteiras da Metabologia: Genomics of Nutrition, Obesity, and Diabetes. 'Genomic Predictors and Cardiometabolic Risk Factor Changes with Diet and Exercise'. 2012, Sao Paulo, Brazil.
- (600) Texas Chapter of the American College of Sports Medicine Fall Lecture Tour of four universities. 'Physical Activity Attenuates the Influence of a Genetic Predisposition to Obesity'. 2012, Texas.
- (601) American Physiological Society Intersociety Meeting: The Integrative Biology of Exercise VI. 'Adverse and Enhanced Responders to the Same Exercise Exposure'. 2012, Westminster, Colorado.
- (602) TODDA: Treatment of Diseases Associated with Obesity and Diabetes. 'Genomic Predictors of the Ability to Respond to Regular Exercise'. 2012, Rio de Janeiro, Brazil.
- (603) TODDA: Treatment of Diseases Associated with Obesity and Diabetes. 'Are There People Who Develop Truly Adverse Responses to Regular Exercise?' 2012, Rio de Janeiro, Brazil.
- (604) Fronteiras da Metabologia: Genomics of Nutrition, Obesity, and Diabetes. 'Genomic Predictors and Cardiometabolic Risk Factor Changes with Diet and Exercise'. 2012, Rio de Janeiro, Brazil.
- (605) East Carolina University College of Health and Human Performance. 'The Response to Regular Exercise is Highly Variable Among Individuals: Facts and Uncertainties'. 2012, Greenville, North Carolina.
- (606) Frank N. Norfleet Forum for the Advancement of Health. 'The Human Genome: One of the Drivers of the Obesity Epidemic.' 2013, Memphis, Tennessee.
- (607) American College of Sports Medicine Annual Meeting, 'Tutorial Lecture: Exercise Genomics'. 2013, Indianapolis, Indiana.
- (608) American College of Sports Medicine Annual Meeting. 'What is Personalized Exercise Medicine?' 2013, Indianapolis, Indiana.
- (609) University of St. Petersburg. 'Genetics and the Response of Fitness and Cardiometabolic Risk Factors to Regular Exercise'. 2013, St. Petersburg, Russia.
- (610) Gatorade Sports Science Institution Symposium, The Science of Sports Nutrition. 'Genomics and Personalized Sports Nutrition'. 2013, Barcelona, Spain.
- (611) European College of Sport Science. Unifying Sport Science. 'Uncertainties Regarding Some of the Expected Benefits of Regular Exercise: Does Pain Produce Gain?' 2013, Barcelona, Spain.
- (612) A Celebration of the Scientific Achievements of Rudolph L. Leibel, MD, at Columbia University. 'Genetics of Human Obesity: Some Unresolved Issues'. 2013, New York.
- (613) University of Georgia. 'The Genomic and Epigenomic Evidence Among the Multiple Determinants of Obesity'. 2013, Athens, Georgia.
- (614) George H. Boyd Distinguished Lecture at the University of Georgia. 'The Obesity Epidemic: Reflection on Contentious Issues'. 2013, Athens, Georgia.

- (615) International Society of Nutrigenetics and Nutrigenomics. 'From Armadillos to Human Twins to High Throughput Molecular Biology: Nutrigenetics and Nutrigenomics Marching On!' 2013, Quebec.
- (616) Texas A&M University Seminar. 'Remaining Uncertainties Regarding the Health Benefits of Regular Exercise for All'. 2013, College Station, Texas.
- (617) Pennington Biomedical Scientific Symposium Series: Optimal Clinical Management & Treatment of Childhood Obesity & Translation to the Public Health Context. 'The Human Genome: One of the Drivers of Pediatric Obesity'. 2013, Baton Rouge, Louisiana.
- (618) American Heart Association Scientific Sessions. 'Genetics and the Response to Regular Exercise'. 2013, Dallas, Texas.
- (619) American Heart Association Scientific Sessions. 'Adverse Responses to Regular Exercise and Their Implications for Preventive and Therapeutic Exercise Medicine.' 2013, Dallas, Texas.
- (620) International Symposium on Sport Sciences. 'Genetics of Fitness and Performance Traits: Uncertainties and Challenges to be Overcome'. 2014, Dubai, United Arab Emirates.
- (621) Texas A&M University Department of Health & Kinesiology Distinguished Lecture Series. 'Physical Inactivity and Genetic Predisposition: Two Major Drivers of the Ongoing Obesity Epidemic'. 2014, College Station, Texas.
- (622) Texas A&M University College of Education and Human Development Dean's Development Council Meeting. 'Personalized Approaches to Human Development and Preventive Medicine'. 2014, College Station, Texas.
- (623) International Congress on Athletes of the Future. 'Challenges to be Overcome in Order to Identify Genomics and Other Predictors of Health and Performance'. 2014, Sao Paulo, Brazil.
- (624) American Diabetes Association Scientific Sessions. 'Genetic Variation in the Response to Exercise.' 2014, San Francisco.
- (625) International Federation of Sports Medicine World Congress of Sports Medicine. 'Personal Exercise Medicine for Prevention and Performance'. 2014, Quebec.
- (626) International Puijo Symposium. 'Genomics and Personalized Exercise Medicine'. 2014, Kuopio, Finland.
- (627) National Academy of Kinesiology: The Rainer and Julie Martens' Lecture. 'Genomics and Personalized Exercise Medicine'. 2014, Austin, Texas.
- (628) Biogenetika Symposium. 'Let's Be Wise and Make Optimal Use of Genomics in the Pursuit of Personalized Medicine Goals.' 2014, Sao Paulo, Brazil.
- (629) Agita Mundo Network Meeting. 'Physical Activity or Physical Fitness?' 2014, Sao Paulo, Brazil.
- (630) CELAFISCS 40<sup>th</sup> Anniversary Symposium. 'Becoming Aware of Potential Adverse Responses to Exercise'. 2014, Sao Paulo, Brazil.

- (631) CELAFISCS 40<sup>th</sup> Anniversary Symposium. 'The Future is in Genomics and Personalized Medicine'. 2014, Sao Paulo, Brazil.
- (632) Southeastern Conference on Prevention of Obesity. 'A Genetic Predisposition is Among the Drivers of the Obesity Epidemic: Implications for Obesity Prevention Programs'. 2014, Atlanta.
- (633) International Symposium on Strength Training. 'Physical Inactivity and Genetic Predisposition: Two Major Drivers of the Ongoing Obesity Epidemic'. 2014, Madrid.
- (634) International Symposium on Strength Training. 'Human Variation in Trainability'. 2014, Madrid.
- (635) University of Alabama at Birmingham: The Gary Hunter Lecture, UAB Center for Exercise Medicine. 'Range of Fitness Responses to Regular Exercise: Can We Identify the Causes?' 2015, Birmingham, Alabama.
- (636) American Heart Association Council on Epidemiology and Council on Lifestyle meetings. 'Inter-Individual Differences in Responses to Diet and Exercise: Is It Time for Personalized Exercise Medicine?' 2015, Baltimore, Maryland.
- (637) Cold Spring Harbor Laboratory Banbury Center. 'Poor Response of Cardiorespiratory Fitness with Exposure to Regular Exercise: Evidence for a Genetic Basis.' 2015, CSHL, New York.
- (638) Canadian Obesity Network. 'Physical Activity Programs Lead to Variable Weight Losses: Can this Be Translated into Personalized Weight Management Strategies?' 2015, Toronto.
- (639) National and Kapodistrian University of Athens: Doctorate Honoris Causa Lecture. 'The lid has been removed from Pandora's Urn: prolonged sitting, lack of exercise and poor fitness are the evils.' 2015, Athens, Greece.
- (640) Santorini Exercise Genomics Symposium. 'Genomics and Transcriptomics Have Greatly Illuminated Human Biology with Powerful Implications for Exercise Biology'. 2015, Santorini, Greece.
- (641) University of Copenhagen Medical School Conference (UCPH LOM) on Exercise and Physical Activity in Relation to Lifestyle, Obesity and Metabolic Diseases. 'Sedentary Behavior, Physical Activity Level and Cardiorespiratory Fitness: Relationships with Metabolic Health and Longevity'. 2015, Copenhagen, Denmark.
- (642) American College of Sports Medicine. 'Personalized Exercise Medicine: Challenges and Opportunities'. 2015, San Diego, California.
- (643) American College of Sports Medicine. 'The Fundamentals of Gene-Behavior Interaction Effects and Their Implications.' 2015, San Diego, California.
- (644) Mayo Clinic, Division of Endocrinology. 'Sedentary Behavior, Physical Activity Level and Cardiorespiratory Fitness: Relationships with Health and Longevity'. 2015, Rochester, Minnesota.



- (645) Huffines Discussion, Texas A&M University. 'Less Sitting or More Exercise or Higher Fitness?' 2015, College Station, Texas.
- (646) British Physiological Society. The Biomedical Basis of Elite Performance. 'Can we predict the response to aerobic exercise training?' 2016, Nottingham, UK.
- (647) International Congress in Physical Education and Sport Science. 'Human variability in response to regular exercise.' 2016, Tehran, Iran.
- (648) International Congress in Physical Education and Sport Science. 'The role of genetic differences in sports: the scientific basis.' 2016, Tehran, Iran.
- (649) International Congress in Physical Education and Sport Science. 'Sports genetics; from theory to practice and current challenges.' 2016, Tehran, Iran.
- (650) University of Rochester Medical Center, Wilmot Cancer Institute. 'Cardiorespiratory fitness: individual differences and health implications.' 2016, Rochester, New York.
- (651) American College of Sports medicine. 'Individual differences in response to regular exercise: implications and study designs.' 2016, Boston.
- (652) American College of Sports Medicine and World Congress on the Basic Science of Energy Balance. 'Regulation of body weight: physics, physiology and behavior'. 2016, Boston.
- (653) University of Stanford CME on CARDIA: Cardiac Arrhythmias, Sudden Death, Inherited Disease and Athletes. 'Intrinsic versus acquired cardiorespiratory fitness.' 2016, Napa Valley, California.
- (654) Novo Nordisk Foundation Benkt Saltin Memorial Symposium. 'Gene-environment interactions and implications for exercise biology'. 2015, Copenhagen.
- (655) FIMS Annual Meeting. 'The contributions of exercise genomics: expectation versus reality'. 2016, Ljubljana, Slovenia.
- (656) Louisiana Tech University. New Frontiers in Biomedical Research Seminar Series. 'Physics, physiology and behavior as drivers of the obesity epidemic.' 2016, Ruston, Louisiana.
- (657) The Obesity Society Annual Meeting, Basic Science Section. 'Challenges in obesity basic research: small effect size, biological redundancy and distributed regulation'. 2016, New Orleans.
- (658) American Heart Association Annual Meeting. Symposium on Management of cardiometabolic risk in the era of personalized medicine and big data. 'Personalized medicine and the use of big data in obesity management'. 2016, New Orleans.
- (659) Symposium on Hormones, Metabolism and the Benefits of Exercise. Foundation IPSEN. 'Plasma steroids and cardiorespiratory fitness response to regular exercise.' 2016, Paris.
- (660) American Heart Association Epidemiology and Prevention Council, and Lifestyle and Cardiometabolic Health Council. OMICS Symposium. 'Genomics and cardiorespiratory fitness'. 2017, Portland, Oregon.

- (661) Experimental Biology. A joint ACSM and ASP Symposium. 'A Roadmap for Exercise Biology Research.' 2017, Chicago.
- (662) Deutsche Vereinigung für Sportwissenschaft, Technische Universität München. "What is the underlying biology of cardiorespiratory fitness, a powerful correlate of health?" 2017, Munich.
- (663) Canadian Society of Exercise Physiology. 'Variation in response to regular exercise is individual and trait specific.' 2017, Winnipeg, Manitoba.
- (664) The Obesity Society. 'Genetics of obesity: what are the lessons learned?' 2017, Washington, DC.
- (665) University of Alabama Birmingham, NORC. 'Convergence between the Genetics of Obesity and Its Recognized Biological and Behavioral Determinants'. 2018, Birmingham, Alabama.
- (666) ACSM Conference on Integrative Physiology of Exercise. Debate: 'Do genetics really influence exercise capacity or trainability?' 2018, San Diego, California.
- (667) The Richard B. Parr Memorial Lecture, Central Michigan University. 'Variability of intrinsic and acquired cardiorespiratory fitness: Implications.' 2018, Mount Pleasant, Michigan.
- (668) Vince Higgins Lecture. Australasian College of Sport and Exercise Physicians. 'Individual differences in the response to an exercise training dose: contributions of the genome.' 2019, Queenstown, New Zealand.
- (669) Australasian College of Sport and Exercise Physicians. 'What have we learned on the genetic predisposition to obesity?' 2019, Queenstown, New Zealand.
- (670) University of Michigan Nutrition and Obesity Research Center (NORC). 'Lessons learned from research on the genetics of obesity.' 2019, Ann Arbor, Michigan.
- (671) Hogan Lecture. Nutrition and Exercise Research Day, University of Missouri. 'Precision exercise medicine: a tortuous path can be expected'. 2019, Columbia, Missouri.
- (672) Endocrine Society, Symposium on Unraveling the Genetics of Rare Causes of Obesity. 'The value of genetic information in severe obesity.' 2019, New Orleans.
- (673) University of North Carolina Nutrition Research Institute. 'Challenges to overcome to make precision nutrition medicine a reality.' 2019, Kannapolis, North Carolina.
- (674) Pennington Biomedical Research Center NORC Training in Nutrition and Obesity Research Methods. 'A mile-high view of obesity: physics, physiology, environment and behavior'. 2019, Baton Rouge, Louisiana.
- (675) 25<sup>th</sup> Anniversary Congress of the European College of Sports Science. Plenary debate: 'DNA variation exerts a significant influence on exercise training adaptation.' 2020, Seville, Spain. Video presentation.

- (676) Association Québécoise des Sciences de l'Activité Physique. 'La recherche au PEPS de 1970 à 2000: une source de progrès en sciences de l'activité physique.' 2021, Université Laval, Québec. Présentation vidéo.
- (677) Grand Rendez-Vous en Santé, Faculté de Médecine, Université Laval. 'Que faire pour vivre pleinement et plus longtemps.' 2021, Québec. Présentation vidéo.
- (678) C. Lynn Vendien International Lecture, National Academy of Kinesiology, Annual Meeting. 'The human genome, physical activity, fitness and health'. 2021. Video presentation.
- (679) GENBIOPAC virtual meeting. 'Exploring human variability and its underlying biology in HERITAGE.' 2021. Video presentation.
- (680) British Physiological Society, Biomedical Basis of Elite Performance. 'Human exercise response variability: a lifelong pursuit'. 2022, Nottingham, UK.
- (681) Pennington Biomedical Research Center. The Crescent at University: Lake Visit. Understanding human variation: from simple observations to more fundamental explanations. Baton Rouge, LA, 2023.
- (682) Pennington Biomedical Research Center. Bray Obesity Symposium. 'Genetic Basis of Obesity'. 2024, New Orleans. Video presentation.

## **7. List of Publications**

- (1) Hollmann W, Venrath H, Bouchard C. Oxymétrisch-spirographische Untersuchungen über das Verhalten der Lungen-Ohrkapillarzeit (LCT) bei dosierten körperlichen Belastungen. Sportarzt und Sportmedizin X15: 46-50, 1964.
- (2) Hollmann W, Venrath H, Bouchard C, Werne D (unter Mitarbeit von H. Bodenstein). Vergleichende Untersuchungen über den Einfluss von einbeinig und beidbeinig verrichteter Fahrradergometer-Belastung auf Stoffwechsel und Kreislauf. Sportarzt und Sportmedizin, 15: 169-77, 1964.
- (3) Hollmann W, Venrath H, Bouchard C. Die Wirkung eines Intervalltrainings auf Herz, Kreislauf und Stoffwechsel bei Kunstturnen. Die Medizinische Welt Nr. 41: 2156-60, 1964.
- (4) Hollmann W, Venrath H, Bouchard C, Budinger H. Über die Eignung der häufigsten Sportarten für präventive und rehabilitative Zwecke auf dem Herz-Kreislaufsektor, I. Physiologische Grundlagen. Fortschritte der Medizin 82: 243-246, 1964.
- (5) Hollmann W, Venrath H, Bouchard C, Budinger H. II. Beanspruchung von Herz und Kreislauf bei verschiedenen Sportarten. Fortschritte der Medizin, 82: 289-92, 1964.

- (6) Hollmann W, Venrath H, Bouchard C, Hanekoff G. Untersuchungen über die Beeinflussung des Blutzuckerspiegels bei Ausdauerbelastungen durch eine Konzentratnahrung. Sportarzt und Sportmedizin, 15: 252-56, 1964.
- (7) Hollmann W, Venrath H, Bonnekoh A, Bouchard C. Präventivmedizin und Sport. Materia Medica Nordmark, 16: 623-34, 1964.
- (8) Hollmann W, Bouchard C, Herkenrath G. Die Entwicklung der Leistungsfähigkeit des Kardio-pulmonalen Systems bei Kindern und Jugendlichen des achten bis achtzehnten Lebensjahres. In: Cremer, H.D. und H. Schluessel, editors. Akzeleration und Sportmedizin, Köln: Deutscher-Arzte Verlag, 1965. p. 15-8.
- (9) Bouchard C. El trabajo isométrico y la fuerza. Revista Chilena de Education Fisica, 31: 9-18, 1965.
- (10) Bouchard C. Le conditionnement physique général dans l'entraînement moderne. Journal of CAHPER, 32: 24-7, 1965.
- (11) Hollmann W, Bouchard C, und Herkenrath G. Die Entwicklung der Leistungsfähigkeit des Kardio-pulmonalen Systems bei Kindern und Jugendlichen des achten bis achtzehnten Lebensjahres. Sportarzt und Sportmedizin, 16: 255-60, 1965.
- (12) Hollmann W, Bouchard C, Venrath H und Herkenrath G. Vergleichende Untersuchungen über die Aussagekraft des Master-, Havard -, Tuttle-, Schneider-, Hettinger-, und Lian-Tests bezüglich der Kardio-pulmonalen Leistungsfähigkeit. Zeitschrift für Kreislaufforschung, 54: 647-57, 1965.
- (13) Hollmann W, Venrath H, Philippen R, Falkenhahn A, Kenter H und Bouchard C. Untersuchungen über den Einfluss von Digitalis auf das Kardiopulmonale System 20-bis 70 jähriger Personen bei dosierter Arbeit. Sportarzt und Sportmedizin, 16: 177-187 und 210-6, 1965.
- (14) Bélanger L, Bouchard C, Brunelle J et Godbout P. Perspectives sur une éducation physique scientifique. Mouvement, 1: 87-102, 1966.
- (15) Bouchard C. Les différences individuelles en force musculaire statique. Mouvement, 1: 49-66, 1966.
- (16) Bouchard C, Hollmann W, Venrath H, Herkenrath G und Schluessel H. Minimalbelastungen zur Prävention Kardiovaskularer Erkrankungen. Sportarzt und Sportmedizin, 17: 348-57, 1966.
- (17) Bouchard C, Hollmann W, Venrath H, Herkenrath G und Schluessel H. Minimal amount of physical training for the prevention of cardiovascular diseases. In: Hanekopf, G, editor. Kongressbericht des XVI Weltkongress Hannover. Köln: Deutscher Ärzte-Verlag, 1966. p. 91-7.

- (18) Hollmann W, Bouchard C und Herkenrath G. Die Leistungsentwicklung des Kindes und Jugendlichen unter besonderer Berücksichtigung des biologischen Alters. Arztliche Jugendkunde, 58: 198-203, 1967.
- (19) Hollmann W, Gruenewald B und Bouchard C. Die altersbedingte Reduktion der Kardiopulmonalen Kapazität und ihre Begegnung durch ein Minimal-Trainingsprogramm. Arbeitsmedizin Sozialmedizin, 3: 88-92, 1967.
- (20) Bouchard C, Hollmann W et Herkenrath G. Relations entre la maturité biologique et certains éléments de la valeur physique avec dégagement des implications méthodologiques pour l'éducation physique scolaire. Rapport du congrès 1967 de l'AIPELF, p. 101-13, 1968.
- (21) Bouchard C, Hollmann W et Herkenrath G. Relations entre le niveau de maturité biologique, la participation à l'activité physique et certaines structures morphologiques et organiques chez des garçons de huit à dix-huit ans. Biométrie humaine 3: 101-39, 1968.
- (22) Godbout P, Bouchard C, Brunelle J, Cayer D et Martin M. Evaluation du développement des qualités organiques et musculaires chez des garçons d'une école secondaire sous l'effet d'un programme bi-hebdomadaire d'éducation physique. Rapport du congrès 1967 de l'AIPELF, pp 87-100, 1968.
- (23) Hollmann W und Bouchard C. Über dosierte Körperliche Arbeit zur Begegnung kardiovaskulärer Erkrankungen. Zeitschrift Vitalstoffe-Zivilisationskrankheiten, Heft 2, April 1968.
- (24) Bouchard C. Que dit la recherche au sujet des programmes préventifs de conditionnement physique pour les adultes? Kinanthropologie, 1: 75-100, 1969.
- (25) Bouchard C. Les méfaits de l'hypokinétisme chez l'adulte. Mouvement, 4: 99-126, 1969.
- (26) Bouchard C, Brunelle J et Godbout P. Les qualités physiques et l'entraînement. Italie: Assemblée Générale Permanente des Comités Nationaux Olympiques, 1969, pp 81.
- (27) Bouchard C, Brunelle J et Godbout P. Technical Booklet on physical qualities and training. Italy: Permanent General Assembly of National Olympic Committees, 1969, pp 82 (une traduction de l'ouvrage original en français).
- (28) Bouchard C, Roy B et Larue M. L'âge osseux des jeunes participants du Tournoi International de Hockey Pee-Wee de Québec. Mouvement, 4: 225-232, 1969.
- (29) Brunelle J, Bouchard C, Bélanger L et Godbout P. Contribution au vocabulaire de mouvement en éducation physique. Mouvement, 4: 5-14, 1969.

- (30) Bouchard C et Brunelle J. En mouvement: pour votre condition physique. Pourquoi? Comment? Québec: Les Editions du Pélican, 1970, pp 281.
- (31) Hollmann W und Bouchard C. Untersuchungen über die Beziehungen zwischen chronologischen und biologischem Alter zu spiroergometrischen Messgrößen, Herzvolumen, anthropometrischen Daten und Skelettmuskelkraft bei 8- 18 jährigen Jungen. Zeitschrift für Kreislaufforschung, 59: 160-176, 1970.
- (32) Hollmann W et Bouchard C. Alter, Körperliche Leistung und Training. Zeitschrift für Gerontologie, 3: 188-197, 1970.
- (33) Bouchard C, Brunelle J et Godbout P. Dossier sur les systèmes d'entraînement. Partie 1: Mouvement, 6: 51-62, 1971. Partie 11: Mouvement, 6: 139-151, 1971. Partie 111: Mouvement, 7: 53-62, 1972.
- (34) Bouchard C. La recherche en éducation physique. Education physique et sport, no 108, page 89, mars-avril 1971.
- (35) Bouchard C, Godbout P, Larue M et Michaud G. Un programme- cadre d'évaluation en éducation physique. Partie 1: Mouvement, 6: 153-168, 1971. Partie 11: Mouvement, 7: 63-80, 1972. Partie 111: Mouvement, 7: 153, 1972.
- (36) Bouchard C, Brunelle J et Godbout P. Folleto tecnico sobre las cualidades fisicas y el entrenamiento. Italia: Asamblea general permanente de los comites nacional olimpico, 1971, p. 81.
- (37) Bouchard C. Closing remarks at the symposium on training: scientific basis and application. In: Taylor AW editor. Training: scientific basis and application. Springfield, IL:Thomas, 1972. p. 349-53.
- (38) Bouchard C. 1960-1970: Um decénio Importante Para A Nossa Actividade Científica. Educacao E. Movimento 4: 15-17, 1972.
- (39) Bouchard C. Un test d'aptitude physique au Pavillon de la Jeunesse à l'Expo '67. Journal of CAHPER, 38: 22-26, July-August 1972.
- (40) Bouchard C. Jugend und Sport. In: Hollmann W editor. ZentraleThemen der Sportmedizin. Berlin: Springer, 1972. p.175-88.
- (41) Bouchard C, Godbout P, Mondor JC, Larue M, Michaud G et Boulay MR. Un inventaire des moyens disponibles pour évaluer les facteurs de la valeur physique avec une application au cadre scolaire. Kinanthropologie 4:203-222, 1972.
- (42) Bouchard C, Godbout P, Asselin R et Mondor JC. Un modèle pour usage dans la construction ou la réfection de tests dans le domaine de la valeur physique. Kinanthropologie. 4: 225- 316, 1972.

- (43) Carrier R, Landry F, Potvin R, and Bouchard C. Comparisons between athletes, normal and Eskimo subjects from the point of view of selected biochemical parameters. In: Taylor AW, editor. Training: scientific basis and application. Springfield, IL: Thomas, 1972. p. 180-5.
- (44) Bouchard C. La condition physique des Québécois et les professionnels de l'activité physique. Les Editions du Pélican, 1973. p. 86.
- (45) Bouchard C. Some physical and physiological problems of school sport. In: Grupe O, Kurz D, Teipel JM, editors. Sport in the Modern World - Chances and Problems. Berlin: Springer Verlag, 1973. p. 159-4.
- (46) Bouchard C, Brunelle J, Godbout P, editors. La préparation d'un champion. Québec: Les Editions du Pélican, 1973.
- (47) Bouchard C. Qu'est-ce qui fait un champion? In: Bouchard C, Brunelle J, Godbout P, editors. La préparation d'un champion. Québec: Les Editions du Pélican, 1973. p. 73-103.
- (48) Bouchard C, Godbout P. La performance. In: Bouchard C, Brunelle J, Godbout P, editors. La préparation d'un champion. Québec: Les Editions du Pélican, 1973. p. 25-71.
- (49) Bouchard C. La contribution de l'hérédité au plan des déterminants physique, physiologique et perceptuel de la performance sportive. In: Bouchard C, Brunelle J, Godbout P, editors. La préparation d'un champion. Québec: Pélican, 1973. p. 105-27.
- (50) Brunelle J, Bouchard C, Godbout P. Le développement physique général. In: Bouchard C, Brunelle J, Godbout P, editors. La préparation d'un champion. Québec: Les Editions du Pélican, 1973. p. 141-202.
- (51) Bouchard C, Landry F, Mondor JC, Boulay M, Houde P, Larue M, Poirier MC. Knochenalter Körperfett, Muskelkraft, Reaktionsgeschwindigkeit, Lungenfunktionen und Körperliche Leistungsfähigkeit bei trainierten und untrainierten männlichen Jugendlichen. In: Stucke K, editor. Deutscher Sportärztebund Verhandlungen. 24. Tagung Würzburg. Gräfelfing: Karl Demeter Verlag, 1973. p. 48-57.
- (52) Bouchard C, Brunelle J, Godbout P. La valeur physique et le curriculum en éducation physique. Québec: Les Editions du Pélican, 1973.
- (53) Hollmann W, Bouchard C, Heck H, Liesen H. Die kardiopulmonale Leistungsentwicklung von Jungen und Mädchen in Beziehung zum biologischen Alter unter spezieller Berücksichtigung der Akzelerierten und Retardierten. In: Stucke K, editor. Deutscher Sportärztebund Verhandlungen. 24. Tagung Würzburg. Gräfelfing: Karl Demeter Verlag, 1973. p. 35-9.

- (54) Landry F, Potvin R, Carrier R et Bouchard C. Effects of a short term individualized exercise program on coronary prone subjects. Part I: Circulatory effects. Part II: Biochemical effects. In: Roskamm H, Reindell H, editors. Das chronisch Kranke Herz. Stuttgart, 1973. p. 467-77.
- (55) Bouchard C. Les sciences de l'activité physique: Un concept fondamental dans notre organisation disciplinaire et professionnelle. Mouvement 9: 117-29, 1974.
- (56) Bouchard C. Quelques données récentes de la recherche au sujet de la valeur physique et de l'influence de l'activité physique. Mouvement, 9: 207-13, 1974.
- (57) Bouchard C, Hollmann W et Leblanc C. Relations entre l'âge osseux, l'activité physique habituelle et la force musculaire statique chez des garçons de 8 à 18 ans. Mouvement, 9: 301-17, 1974.
- (58) Bouchard C, Landry F, Leblanc C, Mondor JC. Quelques-unes des caractéristiques physiques et physiologiques des joueurs de hockey et leurs relations avec la performance. Mouvement 9: 95-110, 1974.
- (59) Bouchard C, Landry F, Brunelle J, Godbout P. La condition physique et le bien-être. Québec: Les Editions du Pélican, 1974.
- (60) Bouchard C. Les déterminants de la performance au hockey. Mouvement Special Hockey 2, avril 1975, p. 15-22.
- (61) Bouchard C, Brunelle J, Godbout P. Les qualités physiques et l'entraînement. Québec: Les Editions du Pélican et l'Assemblée Générale Permanente des Comités Nationaux Olympiques, 1975.
- (62) Bouchard C, Carrier R, Boulay M, Thibault-Poirier MC, Dulac S. Le développement du système de transport de l'oxygène chez les jeunes adultes. Québec: Les Editions du Pélican, 1975.
- (63) Landry F, Carrier R, Potvin R, Bouchard C. Blood proteins and enzymes after a short-term organic endurance program on coronary-prone subjects. In: Taylor AW, editor. Application of sciences and medicine to sport. Springfield, IL: Thomas, 1975. p. 47-53.
- (64) Bouchard C. The physical activity sciences: A basic concept for the organization of the discipline and the profession. Int J Phys Ed 13: 9-21, 1976 and 13:10-20, 1976 (English and German translations).
- (65) Bouchard C, Malina RM, Hollmann W, Leblanc C. Relationships between skeletal maturity and submaximal working capacity in boys 8 to 18 years. Med Sci Sports 8: 186-90, 1976. PMID: 185479



- (66) Bouchard C. Genetics and motor behavior. In: Landers DM, and Christina RW, editors. Psychology of Motor Behavior and Sport, Volume II. Champaign, IL: Human Kinetics, 1977. p. 257-73.
- (67) Bouchard C. Univariate and multivariate genetic analysis of anthropometric and physique characteristics of French Canadian families. Unpublished doctoral dissertation, University of Texas at Austin, 1977.
- (68) Bouchard C, and Malina RM. Skeletal maturity in a Pan American Canadian Team. Can J Appl Sport Sci 2: 109-14, 1977.
- (69) Bouchard C, Malina RM, Hollmann W, Leblanc C. Submaximal working capacity, heart size and body size in boys 8 to 18 years. Eur J Appl Physiol 36: 115-26, 1977. PMID: 837912
- (70) Bouchard C, Thibault MC. Jugend und Sport. In: Hollmann W, editor. Zentrale Themen der Sportmedizin. 2nd ed. Berlin: Springer Verlag, 1977. p. 206-20.
- (71) Allard C, Bouchard C, Leblanc C, Allard F. An estimate of proportion of potential athletes in endurance sports among the Canadian population. In: Broustet JP, Bricaud H, Denolin H, editors. Les épreuves d'effort. Paris: Expansion scientifique, 1978. p. 393-400
- (72) Bouchard C. Genetics, growth and physical activity. In: Landry F, Orban WAR, editors. Physical activity and human well-being. Miami: Symposia Specialists, 1978. p. 29-45.
- (73) Bouchard C. L'hérédité et le dépistage de l'aptitude cardiovasculaire aux sports chez l'enfant. In: Brouste JP, editor. Cardiologie du sport. Paris: Masson, 1978. p. 137-46.
- (74) Bouchard C, Malina RM, Hollmann W, Leblanc C. Skeletal age and submaximal working capacity in boys. Ann Hum Biol. 5:75-8, 1978. PMID: 206183
- (75) Hollmann W, Heck H, Liesen H, Rost R, Bouchard C, Kawahats K. Zur gesundheitlichen Bedeutung des Schulsports. Sportwissenschaft. 8: 142-51, 1978.
- (76) Bouchard C, Godbout P, Mondor JC, and Leblanc C. Specificity of maximal aerobic power. Eur J Appl Physiol. 40: 85-93, 1979. PMID: 428372
- (77) Bouchard C, Thibault MC. Jugend und Sport. In: Weicker H, Schubnell M, editors. Sportmedizin in sportwissen-schaftlichen Studium Schorndorf. Karl Hoffmann Verlag, 1979. p. 43-63.
- (78) Malina RM, Bouchard C, Shoup RF, Demirjian A, Larivière G. Age at menarche, family size, and birth order in athletes at the Montréal Olympic Games, 1976. Med Sci Sports. 11: 354-8, 1979. PMID: 530029

- (79) Bouchard C. Transient environmental effects detected in sibling correlations. Ann Hum Biol. 7: 89-92, 1980. PMID: 7396408
- (80) Bouchard C, Boulay M, Thibault MC, Carrier R, and Dulac S. Training of submaximal working capacity: frequency, intensity, duration, and their interactions. J Sports Med Phys Fitness. 20: 29-40, 1980. PMID: 7442225
- (81) Bouchard C, Demirjian A, Malina RM. Genetic pleiotropism in skeletal lengths and breadths. In: Ostyn M, Beunen G, Simons J, editors. Kinanthropometry II. Baltimore: University Park Press, 1980. p. 78-87.
- (82) Bouchard C, Demirjian A, Malina RM. Heritability estimates of somatotype components based upon familial data. Hum Hered. 30: 112-8, 1980. PMID: 7358399
- (83) Bouchard C, Demirjian A, Malina RM. Path analysis of family resemblance in physique. Stud Phys Anthropol. 6: 61-70, 1980.
- (84) Bouchard C, Demirjian A, Mongeau E. Sibling correlations and genetic estimates for selected blood variables in French Canadian children. Hum Genet. 54: 259-63, 1980. PMID: 7390494
- (85) Bouchard C, Thibault MC, Jobin J. Advances in selected areas of human work physiology. Yearbook Phys Anthropol. 24: 1-36, 1981.
- (86) Chagnon, Y, Bouchard C, Allard C. Isoelectric focusing of red cell phosphoglucomutase (E.C.: 2.7.5.1) at the PGM<sub>1</sub> locus in a French-Canadian population. Hum Genet 59: 36-8, 1981. PMID: 10819019
- (87) Leblanc C, Bouchard C, Godbout P, Mondor JC. Specificity of submaximal working capacity. J Sports Med Phys Fitness 21: 15-22, 1981. PMID: 7278216
- (88) Meleski BW, Malina RM, and Bouchard C. Cortical bone, body size, and skeletal maturity in ice hockey players 10 to 12 years of age. Can J Appl Sport Sci, 6: 212-17, 1981. PMID: 7318141
- (89) Bouchard C. Family resemblance in selected biological traits: a preliminary report. In: Lavallée H, Shephard RJ, editors. Croissance et développement de l'enfant - Child growth and development. Trois-Rivières: Université du Québec à Trois-Rivières, 1982. p. 122-30.
- (90) Després JP, Bouchard C, Bukowiecki L, Savard R, Marcotte M. Morphologie et métabolisme du tissu adipeux humain: relations avec le sexe, la graisse corporelle et le niveau d'entraînement. Archives internationales de physiologie et de biochimie, 90: 329-35, 1982. PMID: 6190451

- (91) Lortie G, Bouchard C, Leblanc C, Tremblay A, Simoneau JA, Thériault G, and Savoie JP. Familial similarity in aerobic power. Hum Biol 54: 801-12, 1982. PMID: 7166301
- (92) Malina RM, Bouchard C, Shoup RF, Larivière G. Age, family size and birth order in Montréal Olympic athletes. In: Carter JEL, editor. Physical Structure of Olympic Athletes. Basel: Karger, 1982. p. 13-24.
- (93) Malina RM, Bouchard C, Shoup RF, Demirjian A, Larivière G. Growth and maturity status of Montréal Olympic Athletes less than 18 years of age. In: Carter JEL, editor. Physical Structure of Olympic Athletes. Basel: Karger, 1982. p. 117-27.
- (94) Malina RM, Mueller WH, Bouchard C, Shoup RF, Larivière G. Fatness and fat patterning among athletes at the Montréal Olympic Games, 1976. Med Sci Sports Exerc 14: 445-52, 1982. PMID: 7162391
- (95) Allard C, Leblanc C, Talbot J, Leclerc S, Bouchard C. Familial aggregation of PWC150, blood lipid composition and serum uric acid in adopted and biological siblings. In: Knuttgen HG, Vogel JA, Poortmans J, editors. Biochemistry of exercise. International series on sport sciences, vol. 13. Champaign, IL: Human Kinetics Publishers, 1983. p. 219-24.
- (96) Bouchard C. Human adaptability may have a genetic basis. In: Landry F, editor. Health risk estimation, risk reduction and health promotion. Proceedings of the 18th annual meeting of the Society of Prospective Medicine. Ottawa: Canadian Public Health Association, 1983. p. 463-76.
- (97) Bouchard C. Letter to the editor: reply to letter by Torum. Am J Clin Nutr 38: 815, 1983.
- (98) Bouchard C, Leblanc J, Côté J, Jobin J, Jobin M, Labrie A, Leblanc C. Familial resemblance in catecholamine changes to cold stress and maximal exercise. Hum Hered, 33: 170-8, 1983. PMID: 6873957
- (99) Bouchard C, Malina RM. Genetics for the sport scientist: selected methodological considerations. Exerc Sport Sci Rev 11: 275-305, 1983. PMID: 6350020
- (100) Bouchard C, Malina RM. Genetics of physiological fitness and motor performance. Exerc Sport Sci Rev 11: 306-39, 1983. PMID: 6350021
- (101) Bouchard C, Taylor AW, Dulac S. Testing maximal anaerobic power and capacity. In: MacDougall JD, Wenger HA, and Green HJ, editors. Physiological testing of the elite athlete. Toronto: Canadian Association of Sports Sciences, 1983. p. 61-73.
- (102) Bouchard C, Tremblay A, Leblanc C, Lortie G, Savard R, Thériault G. A method to assess energy expenditure in children and adults. Am J Clin Nutr 37: 461-7, 1983. PMID: 6829488

- (103) Després J-P, Bouchard C, Bukowiecki L, Savard R, Lupien J. Effects of sex, fatness and training status on human fat cell lipolysis. In: Knuttgen HG, Vogel JA, Poortmans J, editors. Biochemistry of exercise. International series on sport sciences, vol. 13. Champaign, IL: Human Kinetics Publishers, 1983. p. 326-30.
- (104) Després J-P, Bouchard C, Bukowiecki L, Savard R, Lupien J. Morphology and metabolism of human fat cells: a reliability study. Int J Obes 7: 231-40, 1983. PMID: 6885231
- (105) Després J-P, Bouchard C, Savard R, Thériault G, Marcotte M, Tremblay A. Sex differences in human adipose tissue morphology and metabolism. In: Landry F, editor. Health risk estimation, risk reduction and health promotion. Proceedings of the 18th annual meeting of the Society of Prospective Medicine. Ottawa: Canadian Public Health Association, 1983. p. 495-500.
- (106) Després J-P, Savard R, Tremblay A, Bouchard C. Adipocyte diameter and lipolytic activity in marathon runners: relationship with body fatness. Eur J Appl Physiol 51: 223-30, 1983.
- (107) Leclerc S, Bouchard C, Talbot J, Gauvin R, Allard C. Association between serum high-density lipoprotein cholesterol and body composition in adult men. Int J Obes 7:555-61, 1983. PMID: 6654572
- (108) Lortie G, Bouchard C, Simoneau JA, Leblanc C, Thériault G. Relationship between fiber type, enzyme activities, anaerobic capacity and human muscle fatigue. In: Knuttgen HG, Vogel JA, Poortmans J, editors. Biochemistry of exercise. International series on sport sciences, vol. 13. Champaign, IL: Human Kinetics Publishers, 1983. p. 882-5.
- (109) Lortie G, Bouchard C, Simoneau JA, Thériault G. La consommation maximale d'oxygène: les relations avec l'âge, le sexe, la graisse corporelle et le style de vie. In: Landry F, editor. Health risk estimation, risk reduction and health promotion. Proceedings of the 18th annual meeting of the Society of Prospective Medicine. Ottawa: Canadian Public Health Association, 1983. p. 79-86.
- (110) Perusse L, Bouchard C, Leblanc C, Thériault G, Tremblay A. Physical Fitness and Lifestyle. In: Landry F, editor. Health risk estimation, risk reduction and health promotion. Proceedings of the 18th annual meeting of the Society of Prospective Medicine. Ottawa: Canadian Public Health Association, 1983. p. 71-8.
- (111) Savard R, Bouchard C, Leblanc C, Tremblay A. Familial resemblance in fatness indicators. Ann Hum Biol 10: 111-8, 1983. PMID: 6838159
- (112) Savard R, Bouchard C, Tremblay A, Leblanc C. Familial resemblance for energy intake and energy expenditure and their relationships with body fatness. In: Landry F, editor. Health risk estimation, risk reduction and health promotion. Proceedings of the 18th annual meeting of the Society of Prospective Medicine. Ottawa: Canadian Public Health Association, 1983. p. 50-7.

- (113) Simoneau JA, Lortie G, Boulay MR, Bouchard C. Tests of anaerobic alactacid and lactacid capacities: description and reliability. Can J Appl Sports Sci 8:266-70, 1983. PMID: 6652864
- (114) Simoneau JA, Lortie G, Thériault G, Bouchard C. Caractéristiques histochimiques et enzymatiques du muscle humain: différences entre les sexes. In: Landry F, editor. Health risk estimation, risk reduction and health promotion. Proceedings of the 18th annual meeting of the Society of Prospective Medicine. Ottawa: Canadian Public Health Association, 1983. p. 489-94.
- (115) Tremblay A, Leblanc C, Sévigny J, Savoie JP, Bouchard C. The relationship between energy intake and expenditure: a sex difference. In: Landry F, editor. Health risk estimation, risk reduction and health promotion. Proceedings of the 18th annual meeting of the Society of Prospective Medicine. Ottawa: Canadian Public Health Association, 1983. p. 115-9.
- (116) Tremblay A, Sévigny J, Leblanc C, Bouchard C. The reproducibility of a three-day dietary record. Nutr Res 3: 819-30, 1983.
- (117) Tremblay A, Thériault G, Després J-P, Savard R, Bouchard C. Contribution de l'exercice dans le traitement de l'obésité. Médecin du Québec 18: 65-68, 1983.
- (118) Bouchard C, Lortie G. Heredity and endurance performance. Sports Med 1: 38-64, 1984.
- (119) Bouchard C, Lortie G, Simoneau JA, Leblanc C, Thériault G, Tremblay A. Submaximal power output in adopted and biological siblings. Ann Hum Biol 11: 303-9, 1984. PMID: 6540542
- (120) Bouchard C, Malina RM. Genetics and Olympic athletes: A discussion of methods and issues. In: Carter JEL, editor. Physical structure of Olympic athletes. Basel: Karger, 1984. p. 28-38.
- (121) Boulay MR, Hamel P, Simoneau JA, Lortie G, Prud'homme D, Bouchard C. A test of aerobic capacity: description and reliability. Can J Appl Sports Sci 9:122-6, 1984. PMID: 6488431
- (122) Chagnon YC, Allard C, Bouchard C. Red blood cell genetic variation in Olympic endurance athletes. J Sports Sci 2:121-9, 1984.
- (123) Després J-P, Bouchard C. Monozygotic twin resemblance in fatness and fat cell lipolysis. Acta Genet Med Gemellol 33:475-80, 1984. PMID: 6543280
- (124) Després J-P, Bouchard C. Effects of aerobic training and heredity on body fatness and adipocyte lipolysis in humans. J Obes Weight Regulation, 3:219-35, 1984.

- (125) Després J-P, Bouchard C, Savard R, Prud'homme D, Bukowiecki L, Thériault G. Adaptive changes to training in adipose tissue lipolysis are genotype dependent. Int J Obes 8:87-95, 1984. PMID: 6538562
- (126) Després J-P, Bouchard C, Savard R, Tremblay A, Marcotte M, Thériault G. Effects of exercise-training and detraining on fat cell lipolysis in men and woman. Eur J Appl Physiol 53: 25-30, 1984. PMID: 6542498
- (127) Després J-P, Bouchard C, Savard R, Tremblay A, Marcotte M, Thériault G. Level of physical fitness and adipocyte lipolysis in humans. J Appl Physiol 56:1157-61, 1984. PMID: 6725080
- (128) Després J-P, Bouchard C, Savard R, Tremblay A, Marcotte M, Thériault G. The effect of a 20-week endurance training program on adipose-tissue morphology and lipolysis in men and women. Metabolism 33:235-9, 1984. PMID: 6694563
- (129) Landry F, Bouchard C, Prud'homme D, Marceau D. Accuracy of constant load electromagnetic bicycle ergometer: A case study. In: Löllgen H, Mellerowicz H, editors, Progress in ergometry: quality control and test criteria. Berlin: Springer, 1984. p. 174-9.
- (130) Lortie G, Simoneau JA, Hamel P, Boulay MR, Landry F, Bouchard C. Responses of maximal aerobic power and capacity to aerobic training. Int J Sports Med, 5:232-6, 1984. PMID: 6500788
- (131) Malina RM, Little BB, Bouchard C, Carter JEL, Hughes PCR, Kunze D. Growth status of Olympic athletes less than 18 years of age: young athletes at the Mexico City, Munich and Montréal Olympic Games. In: Carter JEL, editor. Physical structure of Olympic athletes. Basel: Karger, 1984. p. 183-201.
- (132) Perusse L, Bouchard C, Leblanc C, Tremblay A. Energy intake and physical fitness in children and adults of both sexes. Nutr Res 4:363-70, 1984.
- (133) Prud'homme D, Bouchard C, Leblanc C, Landry F, Lortie G, Boulay MR. Reliability of assessments of ventilatory thresholds. J Sport Sci 2:13-24. 1984.
- (134) Prud'homme D, Bouchard C, Leblanc C, Landry F, Fontaine E. Sensitivity of maximal aerobic power to training is genotype dependent. Med Sci Sports Exerc, 16:489-93, 1984. PMID: 6542620
- (135) Savard R, Deshaies Y, Després J-P, Marcotte M, Bukowiecki L, Allard C, Bouchard C. Lipogenesis and lipoprotein lipase in human adipose tissue: reproducibility of measurements and relationship with fat cell size. Can J Physiol Pharmacol 62:1448-52, 1984. PMID: 6397248
- (136) Tremblay A, Després J-P, Bouchard C. Adipose tissue characteristics of ex-obese long-distance runners. Int J Obes 8:641-8, 1984. PMID: 6533088

- (137) Tremblay A, Després J-P, Leblanc C, Bouchard C. Sex dimorphism in fat loss in response to exercise-training. J Obes Weight Regulation 3:193-203, 1984.
- (138) Bouchard C. Inheritance of fat distribution and adipose tissue metabolism. In: Vague J, Björntorp P, Guy-Grand B, Rebuffé-Scrive M, Vague P, editors. Metabolic complications of human obesities. Amsterdam: Elsevier Science Publishers B.V, 1985. p. 87-96.
- (139) Bouchard C. Reproducibility of body composition and adipose-tissue measurements in humans. In: Roche AF, editor. Body-composition assessments in youth and adults. Report of the sixth Ross conference on medical research. Columbus, OH: Ross Laboratories, 1985. p. 9-14.
- (140) Bouchard C, Landry F. La pratique des activités physiques. Dans: Dufresne J, Dumont F, Martin Y, editors. Traité d'anthropologie médicale. Québec: Presses de l'Université du Québec, Institut québécois de recherche sur la culture et Presses Universitaires de Lyon, 1985. p. 861-904.
- (141) Bouchard C, Perusse L, Rivest J, Roy R, Morissette J, Allard C, Thériault G, Leblanc C, Tremblay A. HLA system, body fat and fat distribution in children and adults. Int J Obes 9:411-22, 1985. PMID: 3830934
- (142) Bouchard C, Savard R, Després J-P, Tremblay A, Leblanc C. Body composition in adopted and biological sibs. Hum Biol 57:61-75, 1985. PMID: 4039295
- (143) Boulay MR, Lortie G, Simoneau JA, Hamel P, Leblanc C, Bouchard C. Specificity of aerobic and anaerobic work capacities and powers. Int J Sports Med 6:325-8, 1985. PMID: 4077360
- (144) Després J-P, Allard C, Tremblay A, Talbot J, Bouchard C. Evidence for a regional component of body fatness in the association with serum lipids in men and women. Metabolism 34:967-73, 1985. PMID: 4046840
- (145) Després J-P, Bouchard C, Savard R, Tremblay A, Allard C. Lack of relationship between changes in adiposity and plasma lipids following endurance training. Atherosclerosis, 54:135-43, 1985. PMID: 3986013
- (146) Després J-P, Bouchard C, Tremblay A, Savard R, Marcotte M. Effects of aerobic training on fat distribution in male subjects. Med Sci Sports Exerc 17:113-8, 1985. PMID: 3982265
- (147) Fontaine E, Savard R, Tremblay A, Després J-P, Poehlman E, Bouchard C. Resting metabolic rate in monozygotic and dizygotic twins. Acta Genet Med Gemellol 34: 41-7, 1985. PMID: 4050294

- (148) Himes JH, Bouchard C. Do the new Metropolitan Life Insurance weight-height tables correctly assess body frame and body fat relationships? Am J Public Health 75(9): 1076-9, 1985. PMID: 4025658
- (149) Landry F, Bouchard C, Dumesnil J. Cardiac dimension changes with endurance training: indications of a genotype dependency. JAMA 253:77-80, 1985. PMID: 4039766
- Also published in the French edition of JAMA as: Modifications de la taille du coeur avec l'entraînement physique, JAMA 109: 1134-9, 15 octobre 1985.
- Also published in the Japanese JAMA February 1986, pp 58-62.
- Also published in the Italian edition of JAMA as: Modificajioni delle dimensioni cardiache in seguito ad esercizio fisico prolungato, JAMA 10: 55-59, November 1985.
- Also published in the Yugoslavian JAMA-YU, 1: 363-366, 1985.
- (150) Leclerc S, Allard C, Talbot J, Gauvin R, Bouchard C. High density lipoprotein cholesterol, habitual physical activity and physical fitness. Atherosclerosis 57:43-51, 1985. PMID: 4074463
- (151) Lesage R, Simoneau JA, Jobin J, Leblanc J, Bouchard C. Familial resemblance in maximal heart rate, blood lactate and aerobic power. Hum Hered 35:182-9, 1985. PMID: 3997162
- (152) Lortie G, Simoneau JA, Hamel P, Boulay MR, Bouchard C. Relationships between skeletal muscle characteristics and aerobic performance in sedentary and active subjects. Eur J Appl Physiol 54:471-5, 1985. PMID: 4085474
- (153) Poehlman ET, Després J-P, Bessette H, Fontaine E, Tremblay A, Bouchard C. Influence of caffeine on the resting metabolic rate of exercise-trained and inactive subjects. Med Sci Sports Exerc 17: 689-94, 1985. PMID: 4079741
- (154) Savard R, Després J-P, Deshaies Y, Marcotte M, Bouchard C. Adipose tissue lipid accumulation pathways in marathon runners. Int J Sports Med 6:287-91, 1985. PMID: 4055190
- (155) Savard R, Després J-P, Marcotte M, Bouchard C. Endurance training and glucose conversion into triglycerides in human fat cells. J Appl Physiol 58:230-5, 1985. PMID: 3881382
- (156) Simoneau JA, Lortie G, Boulay MR, Marcotte M, Thibault MC, Bouchard C. Human skeletal muscle fiber type alteration with high-intensity intermittent training. Eur J Appl Physiol 54:250-3, 1985. PMID: 4065109



- (157) Simoneau JA, Lortie G, Boulay MR, Thibault MC, Thériault G, Bouchard C. Skeletal muscle histochemical and biochemical characteristics in sedentary male and female subjects. Can J Physiol Pharmacol 63:30-5, 1985. PMID: 3986689
- (158) Seoane NA, Roberge AG, Pagé M, Allard C, Bouchard C. Selected indices of iron status in adolescents. J Can Dietetic Assoc 46:298-303, 1985.
- (159) Tremblay A, Després J-P, Bouchard C. The effects of exercise-training on energy balance and adipose tissue morphology and metabolism. Sports Med 2:223-33, 1985. PMID: 3892629
- (160) Ama PFM, Poehlman ET, Simoneau JA, Boulay MR, Thériault G, Tremblay A, Bouchard C. Fat distribution and adipose tissue metabolism in non-obese male black African and Caucasian subjects. Int J Obes 10:503-10, 1986. PMID: 3542864
- (161) Ama PFM, Simoneau JA, Boulay MR, Séresse O, Thériault G, Bouchard C. Skeletal muscle characteristics in sedentary Black and Caucasian males. J Appl Physiol 61:1758-61, 1986. PMID: 2946652
- (162) Bouchard C. Erbllichkeit und trainierbarkeit. Deutsche Zeitschrift für Sportmedizin, 10:318-22, 1986.
- (163) Bouchard C. 3. Genetics of aerobic power and capacity. In: Malina RM, Bouchard C, editors. Sport and human genetics. Champaign, IL: Human Kinetics, 1986. p. 59-89.
- (164) Bouchard C. Heredity and adaptation to exercise-training during growth. In: Demirjian A, Brault Dubuc M, editors. Human growth: a multidisciplinary review. London and Philadelphia: Taylor & Francis, 1986. p. 243-52.
- (165) Bouchard C. Heredity and trainability. In: Sutton JR, Brock RM, editors. Sports Medicine for the mature athlete. Indianapolis: Benchmark Press, 1986. p. 81-9.
- (166) Bouchard C, Lesage R, Lortie G, Simoneau JA, Hamel P, Boulay MR, Perusse L, Thériault G, Leblanc C. Aerobic performance in brothers, dizygotic and monozygotic twins. Med Sci Sports Exerc 18:639-46, 1986. PMID: 3784876
- (167) Bouchard C, Simoneau JA, Lortie G, Boulay MR, Marcotte M, Thibault MC. Genetic effects in human skeletal muscle fiber type distribution and enzyme activities. Can J Physiol Pharmacol 64:1245-51, 1986. PMID: 2946386
- (168) Bouchard C, Thibault MC. Übung und Training in Kindheit und Jugend. In: Hollmann HVW, editor. Zentrale Themen der Sportmedizin, 3rd Edition. Springer Verlag, 1986. p. 324-42.

- (169) Boulay MR, Lortie G, Simoneau JA, Bouchard C. Sensitivity of maximal aerobic power and capacity to anaerobic training is partly genotype dependent. In: Malina RM, Bouchard C, editors. Sport and human genetics. Champaign, IL: Human Kinetics, 1986. p. 173-81.
- (170) Chen JD, Bouchard C. Sex differences in metabolic adaptation to exercise. In: Saltin B, editor. Biochemistry of exercise VI, International series on sport sciences, vol. 16. Champaign, IL: Human Kinetics, 1986. p. 227-38
- (171) Couture L, Chagnon M, Allard C, Bouchard C. Esterase D polymorphism in a French-Canadian population. Hum Genet 73:276, 1986. PMID: 3733080
- (172) Couture L, Chagnon M, Allard C, Bouchard C. More on red blood cell genetic variation in Olympic athletes. Can J Appl Sport Sci 11:16-8, 1986. PMID: 3698155
- (173) Hamel P, Simoneau JA, Lortie G, Boulay MR, Bouchard C. Heredity and muscle adaptation to endurance training. Med Sci Sports Exerc 18: 690-6, 1986. PMID: 3784881
- (174) Hughson R and contributions from Albinson J, Bar-Or O, Bishop P, Bouchard C, Cumming GR, Cunningham DA, Jackson J, Jensen R, Kozey J, Marteniuk R, Stanish B. Children in competitive sports. A multidisciplinary approach. Can J Appl Sport Sci 11:162-72, 1986. PMID: 3815707

Also published in Science et Sports 2 (1987) 17-30.

- (175) Lortie G, Simoneau JA, Boulay MR, Bouchard C. Muscle fiber type composition and enzyme activities in brothers and monozygotic twins. In: Malina RM, Bouchard C, editors. Sport and human genetics. Champaign, IL: Human Kinetics, 1986. p. 147-53.
- (176) Malina RM, Bouchard C, editors. Sport and human genetics. Champaign, IL: Human Kinetics, 1986.
- (177) Perron L, Mitchell D, Tremblay A, Després J-P, Nadeau A, Bouchard C. The role of body fat in insulin sensitivity of endurance athletes. Diabète & Métabolisme (Paris) 12:233-8, 1986. PMID: 3542617
- (178) Poehlman ET, Després J-P, Marcotte M, Tremblay A, Thériault G, Bouchard C. Genotype dependency of adaptation in adipose tissue metabolism after short-term overfeeding. Am J Physiol 250:E480-5, 1986. PMID: 3515966
- (179) Poehlman ET, Tremblay A, Després J-P, Fontaine E, Perusse L, Thériault G, Bouchard C. Genotype-controlled changes in body composition and fat morphology following overfeeding in twins. Am J Clin Nutr 43:723-31, 1986. PMID: 3706185
- (180) Poehlman ET, Tremblay A, Fontaine E, Després J-P, Nadeau A, Dussault J, Bouchard C. Genotype dependency of the thermic effect of a meal and associated hormonal changes following short-term overfeeding. Metabolism 35:30-6, 1986. PMID: 3510362

- (181) Poehlman ET, Tremblay A, Nadeau A, Dussault J, Thériault G, Bouchard C. Heredity and changes in hormones and metabolic rates with short-term training. Am J Physiol 250:E711-7, 1986. PMID: 3521318
- (182) Simoneau JA, Lortie G, Boulay MR, Marcotte M, Thibault MC, Bouchard C. Inheritance of human skeletal muscle and anaerobic capacity adaptation to high-intensity intermittent training. Int J Sports Med 7:167-71, 1986. PMID: 3733313
- (183) Simoneau JA, Lortie G, Boulay MR, Thibault MC, Bouchard C. Repeatability of fibre type and enzyme activity measurements in human skeletal muscle. Clin Physiol 6:347-56, 1986. PMID: 2943549
- (184) Simoneau JA, Lortie G, Leblanc C, Bouchard C. Anaerobic alactacid work capacity in adopted and biological siblings. In: Malina RM, Bouchard C, editors. Sport and human genetics. Champaign, IL: Human Kinetics, 1986. p. 165-71.
- (185) Thibault MC, Simoneau JA, Côté C, Boulay MR, Lagassé P, Marcotte M, Bouchard C. Inheritance of human muscle enzyme adaptation to isokinetic strength training. Hum Hered, 36:341-7, 1986. PMID: 3793115
- (186) Tremblay A, Fontaine E, Poehlman ET, Mitchell D, Perron L, Bouchard C. The effect of exercise-training on resting metabolic rate in lean and moderately obese individuals. Int J Obes 10:511-7, 1986. PMID: 3492457
- (187) Bouchard C. Genetics of body fat, energy expenditure and adipose tissue metabolism. In: Berry EM, Blondheim SH, Eliahou HE, Shafir E, editors. Recent advances in Obes Res: V. Proceedings of the 5th International Congress on Obesity. Jerusalem (Israël). London: John Libbey, 1987. p. 16-25.
- (188) Bouchard C, Tremblay A. Genetics of body composition and fat distribution. In: Norgan NG, editor. Human Body Composition and Fat Distribution. Report of an EC Workshop, London 10-12 December 1985. Euro Nutr 8:175-88, 1987.
- (189) Couture L, Chagnon M, Allard C, Bouchard C. Adenosine deaminase, adenylate kinase and acid phosphatase polymorphism in a French-Canadian population. Hum Genet 75:188, 1987. PMID: 3028934
- (190) Després J-P, Poehlman ET, Tremblay A, Lupien PJ, Moorjani S, Nadeau A, Perusse L, Bouchard C. Genotype-influenced changes in serum HDL-cholesterol after short-term overfeeding in man: association with plasma insulin and triglyceride levels. Metabolism 36(4):363-8, 1987. PMID: 3550374
- (191) Marcotte M, Chagnon M, Côté C, Thibault MC, Boulay MR, Bouchard C. Lack of genetic polymorphism in human skeletal muscle enzymes of the tricarboxylic acid cycle. Hum Genet 77:200, 1987. PMID: 3653893

- (192) Perusse L, Leblanc C, Tremblay A, Allard C, Thériault G, Landry F, Talbot J, Bouchard C. Familial aggregation in physical fitness, coronary heart disease risk factors, and pulmonary function measurements. Prev Med 16:607-15, 1987. PMID: 3684973
- (193) Perusse L, Lortie G, Leblanc C, Tremblay A, Thériault G, Bouchard C. Genetic and environmental sources of variation in physical fitness. Ann Hum Biol 14:425-34, 1987. PMID: 3688830
- (194) Poehlman ET, Tremblay A, Marcotte M, Perusse L, Thériault G, Bouchard C. Heredity and changes in body composition and adipose tissue metabolism after short-term exercise-training. Eur J Appl Physiol 56:398-402, 1987. PMID: 3622482
- (195) Savard R, Després J-P, Marcotte M, Thériault G, Tremblay A, C.Bouchard. Acute effects of endurance exercise on human adipose tissue metabolism. Metabolism 36:480-5, 1987. PMID: 3553850
- (196) Simoneau JA, Lortie G, Boulay MR, Marcotte M, Thibault MC, Bouchard C. Effects of two high-intensity intermittent training programs interspaced by detraining on human skeletal muscle and performance. Eur J Appl Physiol 56:516-21, 1987. PMID: 3653091
- (197) Tremblay A, Bouchard C. Assessment of energy expenditure and physical activity pattern in population studies. In: Johnston FE, editor. Nutritional Anthropology. New York: Alan R. Liss, 1987. p. 101-16.
- (198) Tremblay A, Després J-P, Bouchard C. Influence de l'entraînement physique sur l'équilibre énergétique et la composition du poids. Science et Sports 2:95-102, 1987.
- (199) Tremblay A, Poehlman ET, Nadeau A, Dussault J, Bouchard C. Heredity and overfeeding-induced changes in submaximal exercise VO<sub>2</sub>. J Appl Physiol 62:539-44, 1987. PMID: 3558214
- (200) Tremblay A, Poehlman ET, Nadeau A, Perusse L, Bouchard C. Is the response of plasma glucose and insulin to short-term exercise-training genetically determined? Horm Metab Res 19:65-7, 1987. PMID: 3549503
- (201) Bouchard C. Human variation in anthropometric dimensions. In: Lohman TG, Roche AF, Martorell R, editors. Anthropometric Standardization Reference Manual. Champaign, IL: Human Kinetics, 1988. p. 103-5.
- (202) Bouchard C. Gene-environment interaction in human adaptability. In: Malina RM, Eckert HM, editors. Physical activity in early and modern populations. American Academy of Physical Education Papers No 21. Champaign, IL: Human Kinetics, 1988. p. 56-66.

- (203) Bouchard C. Introductory notes on the topic of fat distribution. In: Bouchard C, Johnston FE, editors. Fat distribution during growth and later health outcomes. Current Topics in Nutrition and Disease. Vol. 17. New York: Alan R. Liss, Inc, 1988. p. 1-8.
- (204) Bouchard C. Inheritance of human fat distribution. In: Bouchard C, Johnston FE, editors. Fat distribution during growth and later health outcomes. Current Topics in Nutrition and Disease. Vol. 17. New York: Alan R. Liss, Inc, 1988. p. 103-25.
- (205) Bouchard C. Genetique et obesite chez l'homme. Diabete & Metabolisme 14:407-13, 1988.
- (206) Bouchard C. Genetic basis of racial differences. Can J Sport Sci 13:104-8, 1988. PMID: 3293728
- (207) Bouchard C. Genetic factors in the regulation of adipose tissue distribution. Acta Med Scand, Suppl. 723:135-41, 1988. PMID: 3293357
- (208) Bouchard C. Génétique, graisse corporelle et composantes du bilan énergétique. Cahiers de Nutrition et de Diététique 23:427-37, 1988.
- (209) Bouchard C, Johnston FE, editors. Fat distribution during growth and later health outcomes. Current Topics in Nutrition and Disease. Vol. 17. New York: Alan R. Liss, Inc, 1988.
- (210) Bouchard C, Perusse L. Heredity and body fat. Ann Rev Nutr 8:259-77, 1988. PMID: 3060167
- (211) Bouchard C, Boulay MR, Simoneau JA, Lortie G, Perusse L. Heredity and trainability of aerobic and anaerobic performances. An update. Sports Med 5:69-73, 1988. PMID: 3353617
- (212) Bouchard C, Chagnon M, Thibault MC, Boulay MR, Marcotte M, Simoneau JA. Absence of charge variants in human skeletal muscle enzymes of the glycolytic pathway. Hum Genet 78:100, 1988. PMID: 3338789
- (213) Bouchard C, Perusse L, Leblanc C, Tremblay A, Thériault G. Inheritance of the amount and distribution of human body fat. Int J Obes 12:205-15, 1988. PMID: 3391737
- (214) Bouchard C, Tremblay A, Després J-P, Poehlman ET, Thériault G, Nadeau A, Lupien P, Moorjani S, Dussault J. Sensitivity to overfeeding: The Québec experiment with identical twins. Prog Food Nutr Sci 12:45-72, 1988. PMID: 3041450
- (215) Boulay MR, Ama PFM, Bouchard C. Racial variation in work capacities and powers. Can J Sport Sci 13:127-35, 1988. PMID: 3293731

- (216) Bray GA, Bouchard C. Role of fat distribution during growth and its relationship to health. Am J Clin Nutr 47:551-2, 1988.
- (217) Callaway CW, Chumlea WC, Bouchard C, Hines JH, Lohman TG, Martin AD, Mitchell CD, Mueller WH, Roche AF, Seefeldt VD. Circumferences. In: Lohman TG, Roche AF, Martorell R, editors. Anthropometric Standardization Reference Manual. Champaign, IL: Human Kinetics, 1988. p. 39-54.
- (218) Cote C, Simoneau JA, Lagasse P, Boulay MR, Thibault MC, Marcotte M, Bouchard C. Isokinetic strength training protocols: do they induce skeletal muscle fiber hypertrophy? Arch Phys Med Rehabil 69:281-5, 1988. PMID: 3355358
- (219) Després J-P, Tremblay A, Bouchard C. Regional adipose tissue distribution and plasma lipoproteins. In: Bouchard C, Johnston FE, editors. Fat distribution during growth and later health outcomes. Current Topics in Nutrition and Disease. Vol. 17. New York: Alan R. Liss, Inc, 1988. p. 221-41.
- (220) Després J-P, Moorjani S, Tremblay A, Poehlman ET, Lupien PJ, Nadeau A, Bouchard C. Heredity and changes in plasma lipids and lipoproteins after short-term exercise training in men. Arteriosclerosis 8:402-9, 1988. PMID: 3395276
- (221) Després J-P, Tremblay A, Nadeau A, Bouchard C. Physical training and changes in regional adipose tissue distribution. Acta Med Scand Suppl. 723:205-12, 1988. PMID: 3293359
- (222) Després J-P, Tremblay A, Perusse L, Leblanc C, Bouchard C. Abdominal adipose tissue and serum HDL-cholesterol: association independent from obesity and serum triglyceride concentration. Int J Obes 12:1-13, 1988. PMID: 2966132
- (223) Després J-P, Tremblay A, Leblanc C, Bouchard C. Effect of the amount of body fat on the age-associated increase in serum cholesterol. Prev Med 17:423-31, 1988. PMID: 3217375
- (224) Després J-P, Tremblay A, Thériault G, Perusse L, Leblanc C, Bouchard C. Relationships between body fatness, adipose tissue distribution and blood pressure in men and women. J Clin Epidemiol 41:889-97, 1988. PMID: 3183696
- (225) Landry F, Bouchard C. Genetic-based influences on cardiac response to exercise training. Medical Aspects of Human Sexuality 22:75-6, 1988.
- (226) Malina R, Bouchard C. Subcutaneous fat distribution during growth. In: Bouchard C, Johnston FE, editors. Fat distribution during growth and later health outcomes. Current Topics in Nutrition and Disease. Vol. 17. New York: Alan R. Liss, Inc, 1988. p. 63-84.
- (227) Malina RM, Bouchard C, Beunen G. Human growth: selected aspects of current research on well-nourished children. Ann Rev Anthropol 17:187-219, 1988.

- (228) Perusse L, Leblanc C, Bouchard C. Familial resemblance in lifestyle components: results from the Canada Fitness Survey. Can J Public Health 79:201-5, 1988. PMID: 3401837
- (229) Perusse L, Leblanc C, Bouchard C. Inter-generation transmission of physical fitness in the Canadian population. Can J Sport Sci 13:8-14, 1988. PMID: 3359366
- (230) Perusse L, Tremblay A, Leblanc C, Cloninger CR, Reich T, Rice J, Bouchard C. Familial resemblance in energy intake: contribution of genetic and environmental factors. Am J Clin Nutr 47:629-35, 1988. PMID: 3354487
- (231) Serresse O, Lortie G, Bouchard C, Boulay MR. Estimation of the contribution of the various energy systems during maximal work of short duration. Int J Sports Med 9:456-60, 1988. PMID: 3253239
- (232) Tremblay A, Després J-P, Bouchard C. Influence de l'entraînement à l'exercice sur les besoins énergétiques de repos. Schweizerische Zeitschrift fuer Sportmedizin 36:111-6, 1988. PMID: 3238402
- (233) Tremblay A, Després J-P, Bouchard C. Influence de l'entraînement physique sur l'équilibre énergétique et la composition du poids. Diététique en Action 2:30-4, 1988.
- (234) Tremblay A, Després J-P, Bouchard C. Alteration in body fat and fat distribution with exercise. In: Bouchard C, Johnston FE, editors. Fat distribution during growth and later health outcomes. Current Topics in Nutrition and Disease. Vol.17. New York: Alan R. Liss, Inc, 1988. p. 297-312.
- (235) Tremblay A, Nadeau A, Fournier G, Bouchard C. Effect of a three-day interruption of exercise-training on resting metabolic rate and glucose-induced thermogenesis in trained individuals. Int J Obes 12:163-8, 1988. PMID: 3290133
- (236) Tremblay A, Després J-P, Bouchard C. Effect of exercise-training on the regulation of resting energy needs. J Obes Weight Regulation 7:6-16, 1988.
- (237) Bouchard C. Genetic factors in obesity. Med Clin N Am 73:67-81, 1989. PMID: 2643009
- (238) Bouchard C, Chagnon M, Thibault MC, Boulay MR, Marcotte M, Cote C, Simoneau JA. Muscle genetic variants and relationship with performance and trainability. Med Sci Sports Exerc 21:71-7, 1989. PMID: 2538707
- (239) Bouchard C, Després J-P. Variation in fat distribution with age and health implications. In: Eckert HM, Spirduso W, editors. Physical activity and aging. Champaign, IL.: Human Kinetics, 1989. p. 78-106.

- (240) Bouchard C, Shephard RJ, Stephens T, Sutton JR, McPherson B, editors. Exercise, Fitness and Health: The Consensus Statement. Can J Sport Sci 14; supplement 2, p. 32, 1989. PMID: 2924222
- (241) Bouchard C, Tremblay A, Nadeau A, Després J-P, Thériault G, Boulay MR, Lortie G, Leblanc C, Fournier G. Genetic effect in resting and exercise metabolic rates. Metabolism 38:364-70, 1989. PMID: 2657322
- (242) Bouchard C, Tremblay A, Perusse L, Leblanc C, Thériault G, George V. Cohabitation, activity level and energy intake in parent-child resemblance for selected biological traits. Am J Hum Biol 1:209-15, 1989. PMID: 28514010
- (243) Brun LD, Gagné C, Julien P, Tremblay A, Moorjani A, Bouchard C, Lupien PJ. Familial lipoprotein lipase activity deficiency: study of total body fatness and subcutaneous fat distribution. Metabolism 38:1005-9, 1989. PMID: 2796749
- (244) Després J-P, Ferland M, Moorjani S, Nadeau A, Tremblay A, Lupien PJ, Thériault G, Bouchard C. Role of hepatic-triglyceride lipase activity in the association between intra-abdominal fat and plasma HDL cholesterol in obese women. Arteriosclerosis 9:485-92, 1989. PMID: 2751477
- (245) Després J-P, Moorjani S, Ferland M, Tremblay A, Lupien PJ, Nadeau A, Pinault S, Thériault G, Bouchard C. Adipose tissue distribution and plasma lipoprotein levels in obese women: importance of intra-abdominal fat. Arteriosclerosis 9:203-10, 1989. PMID: 2923576
- (246) Després J-P, Nadeau A, Tremblay A, Ferland M, Moorjani S, Lupien PJ, Thériault G, Pinault S, Bouchard C. Role of deep abdominal fat in the association between regional adipose tissue distribution and glucose tolerance in obese women. Diabetes 38:304-9, 1989. PMID: 2645187
- (247) Després J-P, Tremblay A, Bouchard C. Sex differences in the regulation of body fat mass with exercise-training. In: Bjorntorp P, Rossner S, editors. Obesity in Europe 1, London: John Libbey, 1989. p. 297-304.
- (248) Després J-P, Moorjani S, Tremblay A, Ferland M, Lupien PJ, Nadeau A, Bouchard C. Relation of high plasma triglyceride levels associated with obesity and regional adipose tissue distribution to plasma lipoprotein-lipid composition in premenopausal women. Clin Invest Med 12:374-89, 1989. PMID: 2612090
- (249) Ferland M, Després J-P, Tremblay A, Pinault S, Nadeau A, Moorjani S, Lupien PJ, Thériault G, Bouchard C. Assessment of adipose tissue distribution by computed tomography in obese women: association with body density and anthropometric measurements. Br J Nutr 61:139-48, 1989. PMID: 2706220



- (250) Gélinas Y, Turcotte L, Bouchard C, Thibault MC, Dionne FT. Mitochondrial DNA polymorphism detected with the restriction enzymes BstNI and BclI in a French Canadian population. Ann Hum Genet 53:319-25, 1989. PMID: 2576189
- (251) George V, Tremblay A, Després J-P, Leblanc C, Perusse L, Bouchard C. Evidence for the existence of small and large eaters of similar fat-free mass and activity level. Int J Obes 13:43-53, 1989. PMID: 2703292
- (252) Himes JH, Bouchard C. Validity of anthropometry in classifying youths as obese. Int J Obes 13:183-93, 1989. PMID: 2744930
- (253) Perusse L, Després J-P, Tremblay A, Leblanc C, Talbot J, Allard C, Bouchard C. Genetic and environmental determinants of serum lipids and lipoproteins in French Canadian families. Arteriosclerosis 9:308-18, 1989. PMID: 2719593
- (254) Perusse L, Rice T, Bouchard C, Vogler GP, Rao DC. Cardiovascular risk factors in a French Canadian population: resolution of genetic and familial environmental effects on blood pressure using extensive information on environmental correlates. Am J Hum Genet 45:240-51, 1989. PMID: 2757030
- (255) Perusse L, Tremblay A, Leblanc C, Bouchard C. Genetic and environmental influences on level of habitual physical activity and exercise participation. Am J Epidemiol 129:1012-22, 1989. PMID: 2705422
- (256) Poehlman ET, Lachance P, Tremblay A, Nadeau A, Dussault, J, Thériault G, Després J-P, Bouchard C. The effect of prior exercise and caffeine ingestion on metabolic rate and hormones in young adult males. Can J Physiol Pharmacol 67:10-16, 1989. PMID: 2653593
- (257) Pouliot MC, Després J-P, Moorjani S, Tremblay A, Lupien PJ, Nadeau A, Pinault S, Thériault G, Bouchard C. Computed tomography-measured trunk fat and plasma lipoprotein levels in non-obese women. Metabolism 38:1244-50, 1989. PMID: 2593835
- (258) Rice T, Vogler GP, Perusse L, Bouchard C, Rao DC. Cardiovascular risk factors in a French Canadian population: resolution of genetic and familial environmental effects on blood pressure using twins, adoptees, and extensive information on environmental correlates. Genet Epidemiol 6:571-88, 1989. PMID: 2591728
- (259) Serresse O, Ama PFM, Simoneau JA, Lortie G, Bouchard C, Boulay MR. Anaerobic performances of sedentary and trained subjects. Can J Sport Sci 14:46-52, 1989. PMID: 2924222
- (260) Simoneau JA and Bouchard C. Human variation in skeletal muscle fiber type proportion and enzyme activities. Am J Physiol 257:E567-E572, 1989. PMID: 2529775

- (261) Tremblay A, Plourde G, Després J-P, Bouchard C. Impact of dietary fat content and fat oxidation on energy intake in humans. Am J Clin Nutr 49:799-805, 1989. PMID: 2529775
- (262) Tremblay A, Sauvé L, Després J-P, Nadeau A, Thériault G, Bouchard C. Metabolic characteristics of postobese individuals. Int J Obes 13:357-66, 1989. PMID: 2670793
- (263) Bouchard C. Variation in human body fat: The contribution of the genotype. In: Bray G, Ricquier D, Spiegelman B, editors. Obesity: Towards a molecular approach. New York: Alan R Liss, 1990. p. 17-28.
- (264) Bouchard C, Shephard RJ, Stephens T, Sutton JR, McPherson BM, editors. Exercise, fitness and health: a consensus of current knowledge. Champaign, IL: Human Kinetics, 1990.
- (265) Bouchard C, Shephard RJ, Stephens T, Sutton JR, McPherson BD. Exercise, Fitness, and Health: The Consensus Statement. In: Bouchard C, Shephard RJ, Stephens T, Sutton JR, McPherson BM, editors. Exercise, fitness and health: a consensus of current knowledge. Champaign, Illinois: Human Kinetics, 1990. p. 3-28.
- Publié aussi dans: Can J Sport Sci Suppl 2, March 1989.
- (266) Bouchard C. Discussion: Heredity, Fitness, and Health. In: Bouchard C, Shephard RJ, Stephens T, Sutton JR, McPherson BM, editors. Exercise, fitness and health: a consensus of current knowledge. Champaign, Illinois: Human Kinetics, 1990. p. 147-53.
- (267) Bouchard C, Tremblay A, Nadeau A, Dussault J, Després J-P, Thériault G, Lupien PJ, Serresse O, Boulay MR. Long-term exercise-training with constant energy intake. Part 1: effects on body composition and selected metabolic variables. Int J Obes 14:57-73, 1990. PMID: 2179147
- (268) Bouchard C, Tremblay A, Després J-P, Nadeau A, Lupien PJ, Thériault G, Dussault J, Moorjani S, Pineault S, Fournier G. The response to long-term overfeeding in identical twins. N Engl J Med 322:1477-82, 1990. PMID: 2336074
- See also: Bouchard C, Després J-P, Tremblay A. Correspondence. Heritability of weight gain and obesity. N Engl J Med 323:1068-9, 1990.
- (269) Bouchard C, Dionne F, Simoneau JA. Les bases génétiques de la performance physique. Interface 11: 28-37, 1990.
- (270) Bouchard C, Deriaz O, Tremblay A. Génétique et métabolisme énergétique chez l'homme. Dans: Rathery M, editor. Journées de diabétologie Hôtel-Dieu, Paris: Flammarion, 1990. p. 33-40.

Publié aussi dans "Les cahiers de nutrition et de diététique", 25: 199-203, 1990.

- (271) Després J-P, Moorjani S, Pouliot MC, Tremblay A, Nadeau A, Lupien PJ, Bouchard C. Correlates of plasma very low density lipoprotein concentration and composition in premenopausal women. Metabolism 39:577-583, 1990. PMID: 2191186
- (272) Després J-P, Tremblay A, Moorjani S, Lupien PJ, Thériault G, Nadeau A, Bouchard C. Long-term exercise-training with constant energy intake. Part 3: effects on plasma lipoprotein levels. Int J Obes 14:85-94, 1990. PMID: 2312217
- (273) Pouliot MC, Després J-P, Nadeau A, Tremblay A, Moorjani S, Lupien PJ, Thériault G, Bouchard C. Associations between regional body fat distribution, fasting plasma free fatty acid levels and glucose tolerance in premenopausal women. Int J Obes 14:293-302, 1990. PMID: 2361806
- (274) Rice T, Bouchard C, Borecki IB, Rao DC. Commingling and segregation analysis of blood pressure in a French Canadian population. Am J Hum Genet 46:37-44, 1990. PMID: 2294754
- (275) Tremblay A, Després J-P, Leblanc C, Craig CL, Ferris B, Stephens T, Bouchard C. Effect of physical activity intensity on body fatness and fat distribution. Am J Clin Nutr 51:153-7, 1990. PMID: 2305702.
- (276) Tremblay A, Nadeau A, Després J-P, St-Jean L, Dussault J, Thériault G, Fournier G, Bouchard C. Long-term exercise training with constant energy intake Part 2: Effects on glucose metabolism and resting energy expenditure. Int J Obes 14:75-84, 1990. PMID: 2179148
- (277) Ama PFM, Lagassé P, Bouchard C, Simoneau JA. Anaerobic performances in Black and White subjects. Med Sci Sports Exerc 22:508-11, 1990. PMID: 2402212
- (278) Bouchard C. Genetic aspects of anthropometric dimensions relevant to assessment of nutritional status. In: Himes J, editor. Anthropometric assessment of nutritional status. New York: Alan R. Liss, 1991. p. 213-31.
- (279) Després J-P, Bouchard C, Malina RM. Physical activity and coronary heart disease risk factors during childhood and adolescence. In: Pandolf KB, Holloszy JO, editors. Exerc Sport Sci Rev 18:243-61, 1990. PMID: 2192895
- (280) Simoneau JA, Bouchard C. Muscle fiber type, enzyme activities and maximal work of short duration in sedentary male and female subjects. Hermes (Leuven) XXI:411-21, 1990.
- (281) Després J-P, Moorjani S, Lupien PJ, Tremblay A, Nadeau A, Bouchard C. Regional distribution of body fat, plasma lipoproteins and cardiovascular disease. Arteriosclerosis 10:497-511, 1990. PMID: 2196040

- (282) Mauriège P, Després J-P, Marcotte M, Ferland M, Tremblay A, Nadeau A, Moorjani S, Lupien PJ, Thériault G, Bouchard C. Abdominal fat cell lipolysis, body fat distribution and metabolic variables in premenopausal women. J Clin Endocrinol Metab 71:1028-35, 1990. PMID: 2144856
- (283) Pouliot MC, Després J-P, Moorjani S, Lupien PJ, Tremblay A, Bouchard C. Apolipoprotein E polymorphism alters the association between body fatness and plasma lipoproteins in women. J Lipid Res 31:1023-9, 1990. PMID: 2373952
- (284) Bouchard C, Tremblay A. Genetic effects in human energy expenditure. Int J Obes 14:49-58, 1990. PMID: 2228417
- (285) Savard R, Bouchard C. Genetic effects in the response of adipose tissue lipoprotein lipase activity to prolonged exercise: a twin study. Int J Obes 14:771-7, 1990. PMID: 2228409
- (286) Bouchard C. Editorial. L'obésité est-elle héréditaire? La Revue du Praticien 19:1773-6, 1990.
- (287) Bouchard C, Perusse L, Leblanc C. Using MZ twins in experimental research to test for the presence of a genotype-environment interaction effect. Acta Genet Med Gemellol 39:85-9, 1990. PMID: 2392894
- (288) Meyer F, Moisan J, Marcoux D, Bouchard C. Dietary and physical determinants of Menarche. Epidemiology 1:377-81, 1990. PMID: 2078613
- (289) Bouchard C, Boulay MR, Dionne FT, Perusse L, Thibault MC, Simoneau JA. Genotype, aerobic performance and response to training. In: Beunen G, Ghesquiere J, Reybrouck T, Claessens AL, editors. Children and Exercise. Ferdinand Enke Verlag Stuttgart, 1990. p. 124-35.
- (290) Bouchard C, Bray GA, Hubbard VS. Basic and clinical aspects of regional fat distribution. Am J Clin Nutr 52:946-50, 1990. PMID: 2239774
- (291) Malina R, Bouchard C. Genetic considerations in physical fitness. In: DHHS Pub No (PHS) 89-1253, Assessing Physical Fitness and Physical Activity in Population-Based Surveys. Hyattsville, Maryland, 1989, p. 453-73.
- (292) George V, Tremblay A, Després J-P, Leblanc C, Bouchard C. Effect of dietary fat content on total and regional adiposity in men and women. Int J Obes 14:1085-94, 1990. PMID: 2086500
- (293) Bouchard C. Editorial. Is weight fluctuation a risk factor? N Engl J Med 324:1887-9, 1991. PMID: 2041553
- (294) Dionne FT, Turcotte L, Grondin J, Thibault MC, Bouchard C. *Nco1* RFLP in human brain creatine kinase gene (CKBB). Nucleic Acids Res 19:195, 1991. PMID: 1672741

- (295) Dionne FT, Turcotte L, Thibault MC, Boulay MR, Skinner JS, Bouchard C. Mitochondrial DNA sequence polymorphism,  $\text{VO}_2\text{max}$ , and response to endurance training. Med Sci Sports Exerc 23:177-185, 1991. PMID: 1673216. Reprinted in the 25th Anniversary Retrospection in Med Sci Sports Exerc 1993.
- (296) Bouchard C. Heredity and the path to overweight and obesity. Med Sci Sports Exerc 23:285-291, 1991. PMID: 2020265
- (297) Dionne FT, Grondin J, Bouchard C. Kpn1 RFLP at the human muscle-type phosphofructokinase (PFKM) gene locus. Nucleic Acids Res 19:1720, 1991. PMID: 1674138
- (298) Tremblay A, Lavallée N, Almérás N, Allard L, Després J-P, Bouchard C. Nutritional determinants of the increase in energy intake associated with a high-fat diet. Am J Clin Nutr 53:1134-7, 1991. PMID: 2021125
- (299) Bouchard C. Current understanding of the etiology of obesity: genetic and nongenetic factors. Am J Clin Nutr 53:1561S-1565S, 1991. PMID: 2031488
- (300) Després JP, Tremblay A, Prud'homme D, Bouchard C. Effets métaboliques de l'évolution de la distribution régionale du tissu adipeux avec l'âge. Age et nutrition 2:7-18, 1991.
- (301) Tremblay A, Després JP, Bouchard C. Effect of food choice on body composition. Treating Overweight 23:2-5, 1991.
- (302) Bouchard C. Génétique des obésités. In: Encyclopédie Médico-chirurgicale: endocrinologie et nutrition. Paris: Editions techniques, 1991.
- (303) Bouchard C. Génétiques et adaptations nutritionnelles. Paris: Centre de recherche et d'information nutritionnelle (CERIN), 1991.
- (304) George V, Tremblay A, Després J-P, Landry M, L Allard, Leblanc C, Bouchard C. Further evidence for the presence of small and large eaters among women. Am J Clin Nutr 53:425-9, 1991. PMID: 1989408
- (305) Malina RM, Bouchard C. Growth, Maturation, and Physical Activity. Champaign, IL: Human Kinetics, 1991. p. 501.  
  
Japanese translation of the book. Taishukan Publishing Co, Ltd, Tokyo, Japan, 1995.  
  
Portuguese translation of the book, Editora Roca Ltda., Sao Paulo, Brazil, 2002.
- (306) Bouchard C, McPherson BD, Taylor AW, editors. Physical Activity Sciences. Champaign, IL: Human Kinetics, 1991. p. 255.

- (307) Bouchard C. The field of the physical activity sciences. In: Bouchard C, McPherson BD, Taylor AW, editors. Physical Activity Sciences. Champaign, IL: Human Kinetics, 1991. p. 3-7
- (308) Bouchard C, McPherson BD, Taylor AW. The future of research in the physical activity sciences. In: Bouchard C, McPherson BD, Taylor AW, editors. Physical Activity Sciences Champaign, IL: Human Kinetics, 1991. p. 227-32.
- (309) Bouchard C. Genetic and environmental influences on regional fat distribution. In: Oomura Y, Tarui S, Inoue S, Shimazu T, editors. Progress in Obesity Research 1990, London: Libbey, 1991. p. 303-8.
- (310) Himes JH, Bouchard C, Pheley AM. Lack of correspondence among measures identifying the Obese. Am J Prev Med 7:107-11, 1991. PMID: 1910884
- (311) Saavedra C, Lagassé P, Bouchard C, Simoneau JA. Maximal anaerobic performance of the knee extensor muscles during growth. Med Sci Sports Exerc 23:1083-9, 1991. PMID: 1943630
- (312) Després J-P, Pouliot MC, Moorjani S, Nadeau A, Tremblay A, Lupien PJ, Thériault G, Bouchard C. Loss of abdominal fat and metabolic response to exercise training in obese women. Am J Physiol 261:E159-E167, 1991. PMID: 1872379
- (313) Bouchard C, Després J-P, Mauriège P, Marcotte M, Chagnon M, Dionne FT, Bélanger A. The genes in the constellation of determinants of regional fat distribution. Int J Obes 15:9-18, 1991. PMID: 1794944
- (314) Dériaz O, Thériault G, Lavallée N, Fournier G, Nadeau A, Bouchard C. Human resting energy expenditure in relation to dietary potassium<sup>1-3</sup>. Am J Clin Nutr 54:628-34, 1991. PMID: 1897469
- See also: Bouchard C and Dériaz O. Letters to the Editor: Reply to R. Swaminatha. Am J Clin Nutr 56:3, 1992.
- (315) Bouchard C. The determinants of variation in body energy content. Medicographia vol 13 (No 2): 6-8, 1991.
- (316) Bouchard C. Quelques réflexions sur l'avènement des biotechnologies dans le sport. Dans: Proceedings of the International Symposium on "Sport... the third millennium". Landry F, Landry M, Yerlès M, editors. Ste-Foy: Les Presses de l'Université Laval, 1991. p. 455-4.
- (317) Bouchard C, Després J-P, Tremblay A. Genetics of obesity and human energy metabolism. Proceedings of the Nutrition Society 50:139-47, 1991. PMID: 1749787

- (318) Rice T, Province MA, Keller JB, Bouchard C, Higgins MW, Rao DC. Heterogeneity among populations for familial aggregation of blood pressure. Am J Hum Biol 3:515-23, 1991. PMID: 28597518
- (319) Tremblay A, Després J-P, Maheux J, Pouliot MC, Nadeau A, Moorjani S, Lupien PJ, Bouchard C. Normalization of the metabolic profile in obese women by exercise and a low fat diet. Med Sci Sports Exerc 23:1326-31, 1991. PMID: 1798373
- (320) Borecki IB, Rice T, Bouchard C, Rao DC. Commingling analysis of generalized body mass and composition measures: the Québec Family Study. Int J Obes 15:763-73, 1991. PMID: 1778661
- (321) Pouliot MC, Després J-P, Moorjani S, Lupien PJ, Tremblay A, Nadeau A, Bouchard C. Regional variation in adipose tissue lipoprotein lipase activity: association with plasma high density lipoprotein levels. Eur J Clin Invest 21:398-405, 1991. PMID: 1936107
- (322) Ferland M, Després J-P, Nadeau A, Moorjani S, Tremblay A, Lupien PJ, Thériault G, Bouchard C. Contribution of glucose tolerance and plasma insulin levels to the relationships between body fat distribution and plasma lipoprotein levels in women. Int J Obes 15:677-88, 1991. PMID: 1752729
- (323) Després J-P, Prud'homme D, Pouliot MC, Tremblay A, Bouchard C. Estimation of deep abdominal adipose-tissue accumulation from simple anthropometric measurements in men. Am J Clin Nutr 54:471-7, 1991. PMID: 1877502
- (324) Serresse O, Simoneau JA, Bouchard C, Boulay MR. Aerobic and anaerobic energy contribution during maximal work output in 90s determined with various ergocycle workloads. Int J Sports Med 12: 543-7, 1991. PMID: 1797695
- (325) Bouchard C. Adaptation to positive and negative energy balance in humans: the role of the genotype. In: Romsos DR, Himms-Hagen J, and Suzuki M, editors. Obesity: Dietary Factors and Control. Tokyo: Japan Scientific Societies Press/ S. Karger, Basel, 1991. p. 201-13.
- (326) Mauriège P, Després J-P, Prud'homme D, Pouliot MC, Marcotte M, Tremblay A, Bouchard C. Regional variation in adipose tissue lipolysis in lean and obese men. J Lipid Res 32:1625-33, 1991. PMID: 1797943
- (327) Després J-P, Tremblay A, Moorjani S, Nadeau A, Lupien PJ, Bouchard C. Obésité abdominale et lipoprotéines: effets de l'exercice. Sciences et sports 6:265-73, 1991.
- (328) Bouchard C. Genetic aspects of human obesity. In: Belfiore F, Jeanrenaud B, Papalia D, editors. Obesity: Basic Concepts and Clinical Aspects, Frontiers in Diabetes, Vol 11 Basel: Karger, 1992. p. 28-36.

- (329) Bouchard C. Genetic aspects of human obesity. In: Bjorntorp P, Brodoff BN, editors. Obesity. Philadelphia: Lippincott, 1992. p. 343-51.
- (330) Bouchard C, Perusse L, Boulay MR, Dionne FT, Thibault MC, Després J-P, Simoneau JA, Thériault G, Tremblay A. Genetics and adaptation to training. New Horizons of Human Movements. Proceedings of the Seoul Olympic Scientific Congress. Korea: Dankook University, 1992. p. 56-61.
- (331) Bouchard C, Tremblay A, Després J-P, Dériaz O, Dionne FT. The genetics of Body energy content and energy balance: an overview. In: Bray GA and Ryan DH, editors. The Science of Food Regulation: food intake, taste, nutrient partitioning and energy expenditure. Baton Rouge, LA: Louisiana State University Press, 1992. p. 3-21.
- (332) Bouchard C. Genetics and adaptation to overfeeding and negative energy balance. In: Anderson GH, Kennedy SH, editors. The Biology of Feast and Famine: Relevance to Eating Disorders. San Diego, CA: Academic Press, Inc, 1992. p. 183-93.
- (333) Tremblay A, Després J-P, Thériault G, and Bouchard C. Effect of longterm overfeeding on energy expenditure. In: Ailhaud G et al, editors. Obesity in Europe 91. London, England: John Libbey & Company Ltd, 1992. p. 319-21
- (334) Mauriège P, Després J-P, Marcotte M, Tremblay A, Nadeau A, Moorjani S, Lupien P, Dussault J, Fournier G, Thériault G, Bouchard C. Adipose tissue lipolysis after long-term overfeeding in identical twins. Int J Obes 16:219-25, 1992. PMID: 1317832
- (335) Landry JF, Després J-P, Prud'homme D, Lamarche B, Tremblay A, Nadeau A, Bouchard C. A study of some potential correlates of the hypotensive effects of prolonged submaximal exercise in normotensive men. Can J Physiol Pharmacol 70:53-9, 1992. PMID: 1581855
- (336) Bouchard C, Dionne FT, Simoneau JA, Boulay MR. Genetics of aerobic and anaerobic performances. Exerc Sport Sci Rev 20:27-58, 1992. PMID: 1623888
- (337) Bouchard C. Heredity and regional fat distribution during growth. In: Hernandez M, Argente J, editors. Human growth: Basic and clinical aspects. The Netherlands: Elsevier Science BV, 1992. p. 227-32.
- (338) Després J-P, Moorjani S, Lupien PJ, Tremblay A, Nadeau A, Bouchard C. Genetic aspects of susceptibility to obesity and related dyslipidemias. Molec Cell Biochem 113:151-69, 1992. PMID: 1518506
- (339) Bouchard C. New concepts of energy metabolism and obesity. In: Directions in Nutrition and Food Science. National Academy Press: Washington, DC, 1992. p. 37-53.
- (340) Baranowski T, Bouchard C, Bar-Or O, Bricker T, Heath G, Kimm SYS, Malina R, Obarzanek E, Pate R, Strong WB, Truman B, Washington R. Assessment, prevalence, and



- cardiovascular benefits of physical activity and fitness in youth. Med Sci Sports Exerc 24:6 suppl, S237-S247, 1992. PMID: 1625549
- (341) Perusse L, Bouchard C. Génétique, prise alimentaire et adaptations nutritionnelles. Journées de Diabétologie 1992 Flammarion Médecine-Sciences, Paris: p. 255-63, 1992. PMID: 1495244
- (342) Bouchard C. Genetic determinants of endurance performance. In: Shephard RJ, Astrand PO, editors. Endurance in Sport. Volume II of the Encyclopaedia of Sports Medicine an IOC Medical Commission Publication Oxford: Blackwell Scientific Publications, 1992. p. 149-59.
- (343) Spiegelman D, Israel RG, Bouchard C, Willett WC. Absolute fat mass, percent body fat, and body-fat distribution: which is the real determinant of blood pressure and serum glucose? Am J Clin Nutr 55:1033-44, 1992. PMID: 1595574
- (344) Sjöström L, Larsson B, Backman L, Bengtsson C, Bouchard C, Dahlgren S, Hallgren P, Jonsson E, Karlsson J, Lapidus L, Lindroos AK, Lindstedt S, Lissner L, Narbro K, Näslund I, Olbe L, Sullivan M, Sylvan A, Wedel H, Agren G. Swedish obese subjects (SOS). Recruitment for an intervention study and a selected description of the obese state. Int J Obes 16:465-79, 1992. PMID: 1322873
- (345) Pouliot MC, Després J-P, Nadeau A, Moorjani S, Prud'homme D, Lupien PJ, Tremblay A, Bouchard C. Visceral obesity in men. Associations with glucose tolerance, plasma insulin, and lipoprotein levels. Diabetes 41:826-34, 1992. PMID: 1612197
- (346) Lemieux S, Després J-P, Nadeau A, Prud'homme D, Tremblay A, Bouchard C. Heterogeneous glycaemic and insulinaemic responses to oral glucose in non-diabetic men: interactions between duration of obesity, body fat distribution and family history of diabetes mellitus. Diabetologia 35:653-9, 1992. PMID: 1644244
- (347) Bouchard C. Human obesities: Chaos or Determinism? In: Ailhaud G, Guy-Grand B, Lafontan M, Ricquier D, editors. Obesity in Europe 91. Proceedings of the 3rd European Congress on Obesity. London, England: John Libbey & Company Ltd, 1992. p. 7-14.
- (348) Després J-P, Moorjani S, Lupien PJ, Tremblay A, Nadeau A, Thériault G, Bouchard C. Losses of total body fat and of abdominal adipose tissue and the response of plasma lipoproteins to aerobic exercise training in identical twins. In: Ailhaud G, Guy-Grand B, Lafontan M, Ricquier D, editors. Obesity in Europe 91. Proceedings of the 3rd European Congress on Obesity. London, England: John Libbey & Company Ltd, 1992. p. 81-3.
- (349) Després J-P, Prud'homme D, Tremblay A, Bouchard C. Contribution of low intensity exercise training to treatment of abdominal obesity importance of "Metabolic Fitness". In: Ailhaud G, Guy-Grand B, Lafontan M, Ricquier D, editors. Obesity in Europe 91. Proceedings of the 3rd European Congress on Obesity. London, England: John Libbey & Company Ltd, 1992. p. 177-81.

- (350) Dionne FT, Truchon J, Turcotte L, Tremblay A, Després J-P, Bouchard C. Mitochondrial DNA variants in relation to body fat. In: Ailhaud G, Guy-Grand B, Lafontan M, and Ricquier D, editors. Obesity in Europe 91. Proceedings of the 3rd European Congress on Obesity. London, England: John Libbey & Company Ltd, 1992. p. 369-73.
- (351) Mauriège P, Després J-P, Prud'homme D, Pouliot MC, Tremblay A, Bouchard C. Site differences in the regulation of adipose tissue lipolysis in men. In: Ailhaud G, Guy-Grand B, Lafontan M, Ricquier D, editors. Obesity in Europe 91. Proceedings of the 3rd European Congress on Obesity. London, England: John Libbey & Company Ltd, 1992. p. 411-4.
- (352) Tremblay A, Després J-P, Thériault G, Fournier G, Bouchard C. Overfeeding and energy expenditure in humans. Am J Clin Nutr 56:857-62, 1992. PMID: 1415004
- (353) Lamarche B, Després J-P, Pouliot MC, Moorjani S, Lupien PJ, Thériault G, Tremblay A, Nadeau A, Bouchard C. Is body fat loss a determinant factor in the improvement of carbohydrate and lipid metabolism following aerobic exercise training in obese women? Metabolism 41:1249-56, 1992. PMID: 1435299
- (354) Johnson D, Prud'homme D, Després J-P, Nadeau A, Tremblay A, Bouchard C. Relation of abdominal obesity to hyperinsulinemia and high blood pressure in men. Int J Obes 16:881-90, 1992. PMID: 1337343
- (355) Dériaz O, Fournier G, Tremblay A, Després JP, Bouchard C. Lean-body-mass composition and resting energy expenditure before and after long-term overfeeding. Am J Clin Nutr 56:840-7, 1992. PMID: 1415002
- (356) Rice T, Borecki IB, Bouchard C, Rao DC. Commingling analysis of regional fat distribution measures: the Québec family study. Int J Obes 16:831-44, 1992. PMID: 1330963
- (357) Bouchard C. La génétique des obésités humaines. Ann Med Int 143:463-71, 1992. PMID: 1300868
- (358) Bouchard C. Etiology of obesity: genetic factors. Archivos Latinoamericanos de Nutricion. 42:127S-130S, 1992. PMID: 1344616
- (359) Lamarche B, Després J-P, Pouliot MC, Prud'homme D, Moorjani S, Lupien PJ, Nadeau A, Tremblay A, Bouchard C. Metabolic heterogeneity associated with high plasma triglyceride or low HDL cholesterol levels in men. Arterioscler Thromb 13:33-40, 1993. PMID: 8422338
- (360) Bouchard C, Shephard RJ, Stephens T, editors. Physical Activity, Fitness, and Health: Consensus Statement Champaign, IL: Human Kinetics Publishers, 1993.

- (361) Bouchard C, Shephard RJ. Physical Activity, Fitness, and Health: The Model and Key Concepts. In: Bouchard C, Shephard RJ, Stephens T, editors. Physical Activity, Fitness, and Health: Consensus Statement Champaign, IL: Human Kinetics Publishers, 1993. p. 11-20.

Also published in Physical Activity, Fitness, and Health. International Proceedings and Consensus Statement 1994.

- (362) Bouchard C, Després J-P, Mauriège P. Genetic and nongenetic determinants of regional fat distribution. Endocr Rev 14:72-93, 1993. PMID: 8491156
- (363) Bouchard C, Després J-P, Tremblay A. Exercise and obesity. Obes Res 1:133-47, 1993. PMID: 16350569
- (364) Lamarche B, Després J-P, Moorjani S, Nadeau A, Lupien PJ, Tremblay A, Thériault G, Bouchard C. Evidence for a role of insulin in the regulation of abdominal adipose tissue lipoprotein lipase response to exercise training in obese women. Int J Obes 17:255-61, 1993. PMID: 8389334
- (365) Rice T, Borecki IB, Bouchard C, Rao DC. Segregation analysis of fat mass and other body composition measures derived from underwater weighing. Am J Hum Genet 52:967-73, 1993. PMID: 8488846
- (366) Dériaz O, Tremblay A, Bouchard C. Non-linear weight gain with long-term overfeeding in man. Obes Res 1:179-85, 1993. PMID: 16353352
- (367) Bouchard C. Genetics of obesity and its prevention. Nutrition and Fitness in Health and Disease World Rev Nutr Diet 72:68-77, 1993. PMID: 8506711
- (368) Song TMK, Malina RM, Bouchard C. Familial resemblance in somatotype. Am J Hum Biol 5:265-72, 1993. PMID: 28548419
- (369) Bouchard C, Perusse L, Dériaz O, Després J-P, Tremblay A. Genetic influences on energy expenditure in humans. Crit Rev Food Sci Nutr 33:345-50, 1993. PMID: 8357495
- (370) Rice T, Borecki IB, Bouchard C, Rao DC. Segregation analysis of body mass index in an unselected French-Canadian sample: the Québec Family Study. Obes Res 1:288-94, 1993. PMID: 16353359
- (371) Bouchard C, L Perusse. Genetics of obesity. Annu. Rev. Nutr. 13:337-54, 1993. PMID: 8369150
- (372) Bouchard C. Genes and body fat. Am J Hum Biol 5:425-32, 1993. PMID: 28548405
- (373) Shephard RJ, Bouchard C. A new approach to the interpretation of Canadian Home Fitness Test scores. Can J Appl Physiol. 18:304-16, 1993. PMID: 8031343

See also: RJ Shephard and C Bouchard. Letter to the Editor: Reply to Dr. Ashton's Letter. Can J Appl Physiol 19:226-34, 1994.

- (374) Borecki IB, Bonney GE, Rice T, Bouchard C, Rao DC. Influence of genotype-dependent effects of covariates on the outcome of segregation analysis of the body mass index. Am J Hum Genet 53:676-87, 1993. PMID: 8352276
- (375) Sullivan M, Karlsson J, Sjöström L, Backman L, Bengtsson C, Bouchard C, Dahlgren S, Jonsson E, Larsson B, Lindstedt S, Näslund I, Olbe L, Wedel H. Swedish obese subjects (SOS) - an intervention study of obesity. Baseline evaluation of health and psychosocial functioning in the first 1743 subjects examined. Int J Obes 17:503-12, 1993. PMID: 8220652
- (376) Lemieux S, Prud'homme D, Bouchard C, Tremblay A, Després J-P. Sex differences in the relation of visceral adipose tissue accumulation to total body fatness. Am J Clin Nutr 58:463-7, 1993. PMID: 8379501
- (377) Després J-P, Verdon MF, Moorjani S, Pouliot MC, Nadeau A, Bouchard C, Tremblay A, Lupien PJ. Apolipoprotein-E polymorphism modifies relation of hyperinsulinemia to hypertriglyceridemia. Diabetes 42 (10):1474-81, 1993. PMID: 8375587
- (378) Bouchard C, Perusse L. Genetic aspects of obesity. In: Williams CL, Kimm SYS, editors. Prevention and Treatment of Childhood Obesity. Annals of the New York Academy of Sciences, Vol. 699. New York: The New York Academy of Sciences, 1993.
- (379) Mauriège P, Després J-P, Moorjani S, Prud'homme D, Lamarche B, Bouchard C, Nadeau A, Tremblay A, Lupien PJ. Abdominal and femoral adipose tissue lipolysis and cardiovascular disease risk factors in men. Eur J Clin Invest 23:729-40, 1993. PMID: 8307092
- (380) Adjoa SA, Bouchard C, Dionne FT. EcoRI restriction fragment length polymorphism in human glycogen synthase gene. Hum Genet 92:632, 1993. PMID: 7903273
- (381) Bouchard C, Perusse L. Genetics of causes and manifestations of the metabolic syndrome. In: Crepaldi G, Tiengo A, Manzato E, editors. Diabetes, obesity and hyperlipidemias: V. The plurimetabolic syndrome. Proceedings of the 6th European Symposium on Metabolism. The Netherlands: Elsevier Science Publishers BV, 1993. p. 67-74.
- (382) Bouchard C. Genetics of the response to exercise and training. In: Fletcher GF, editor. Cardiovascular Response to Exercise. Mount Kisco, NY: Futura Publishing Company, Inc, 1994.
- (383) Vohl MC, Dionne F, Dériaz O, Chagnon M, Bouchard C. Detection of a MspI restriction fragment length polymorphism for the human sex hormone-binding globulin (SHBG) gene. Hum Genet 93:84, 1994. PMID: 7505768

- (384) Bouchard C. Physical Activity, Fitness, and Health: Overview of the Consensus Symposium. In: Quinney HA, Gauvin L, Wall AET, editors. Toward Active Living. Proceedings of the International Conference on Physical Activity, Fitness, and Health. Champaign, IL: Human Kinetics Publishers, 1994. p. 7-14.
- (385) Bouchard C. Active living from the biological sciences perspective: a word of caution. In: Quinney HA, Gauvin L, and Wall AET, editors. Toward Active Living. Proceedings of the International Conference on Physical Activity, Fitness, and Health. Champaign, IL: Human Kinetics Publishers, 1994. p. 277-9.
- (386) Bouchard C, Shephard RJ, Stephens T, editors. Physical Activity, Fitness, and Health. International Proceedings and Consensus Statement. Champaign, IL: Human Kinetics Publishers, 1994.
- (387) Prud'homme D, Després J-P, Landry JF, Moorjani S, Lupien PJ, Tremblay A, Nadeau A, Bouchard C. Systolic blood pressure during submaximal exercise: an important correlate of cardiovascular disease risk factors in normotensive obese women. Metabolism 43:18-23, 1994. PMID: 8289670
- (388) Bouchard C, Shephard RJ. Physical activity, fitness, and health: the model and key concepts. In: Bouchard C, Shephard RJ, Stephens T, editors. Physical Activity, Fitness, and Health. International Proceedings and Consensus Statement. Champaign, IL: Human Kinetics Publishers, 1994. p. 77-88.
- (389) Bouchard C, Perusse L. Heredity, activity level, fitness, and health. In: Bouchard C, Shephard RJ, Stephens T, editors. Physical Activity, Fitness, and Health. International Proceedings and Consensus Statement. Champaign, IL: Human Kinetics Publishers, 1994. p. 106-18.
- (390) Dériaz O, Dionne FT, Perusse L, Tremblay A, Vohl MC, Côté G, Bouchard C. DNA variation in the genes of the Na,K-Adenosine Triphosphatase and its relation with resting metabolic rate, respiratory quotient, and body fat. J Clin Invest 93:838-43, 1994. PMID: 7509349
- (391) Bouchard C, editor. The Genetics of Obesity. Boca Raton, FL: CRC Press, 1994.
- (392) Bouchard C. Genetics of human obesities: Introductory notes. In: Bouchard C, editor. The Genetics of Obesity. Boca Raton, FL: CRC Press, 1994. p. 1-15.
- (393) Bouchard C, Perusse L. Genetics of obesity: Family studies. In: Bouchard C, editor. The Genetics of Obesity. Boca Raton, FL: CRC Press, 1994. p. 79-92.
- (394) Borecki IB, Province MA, Bouchard C, Rao DC. Genetics of obesity: Etiologic heterogeneity and temporal trends. In: Bouchard C, editor. The Genetics of Obesity. Boca Raton, FL: CRC Press, 1994. p. 109-23.

- (395) Perusse L, Bouchard C. Genetics of energy intake and food preferences. In: Bouchard C, editor. The Genetics of Obesity Boca Raton, FL: CRC Press, 1994. p. 125-34.
- (396) Bouchard C, Dériaz O, Perusse L, Tremblay A. Genetics of energy expenditure in humans. In: Bouchard C, editor. The Genetics of Obesity. Boca Raton, FL: CRC Press, 1994. p. 135-45.
- (397) Bouchard C. In: Bouchard C, editor. Genetics of obesity: Overview and research directions. The Genetics of Obesity. Boca Raton, FL: CRC Press, 1994. p. 223-33.
- (398) Adjoa SA, Bouchard C, Coetzer P, Noakes TD, Dionne FT. Nuclear-encoded subunits of human cytochrome *c* oxidase : *Sst*I restriction fragment length polymorphism. Hum Genet 93:347-8, 1994. PMID: 7907316
- (399) Song TMK, Perusse L, Malina RM, Bouchard C. Twin resemblance in somatotype and comparisons with other twin studies. Hum Biol 66:453-64, 1994. PMID: 8026815
- (400) Borecki IC, Rice T, Perusse L, Bouchard C, Rao DC. An exploratory investigation of genetic linkage with body composition and fatness phenotypes: The Québec Family Study. Obes Res 2:213-9, 1994. PMID: 16355479
- (401) Shephard RJ, Bouchard C. Population evaluations of health related fitness from perceptions of physical activity and fitness. Can J Appl Physiol 19:151-73, 1994. PMID: 8081320
- (402) Shephard RJ, Bouchard C. Principal components of fitness: Relationship to physical activity and lifestyle. Can J Appl Physiol 19:200-14, 1994. PMID: 8081323
- (403) Bouchard C. Génétique et adaptation à la suralimentation chronique. Les cahiers de nutrition et de diététique 29:76-80, 1994.
- (404) Bouchard C. L'obésité. Dans: Zinman B, rédacteur en chef. L'obésité et le diabète sucré non insulino-dépendant (DNID). Saint-Laurent, Québec: MedSCOPE Communications Inc, 1994.
- (405) Bouchard C. Obesity. In: Zinman B, Chief Editor. Obesity and non-insulin dependent diabetes mellitus (NIDDM). Saint-Laurent, Quebec: MedSCOPE Communications Inc, 1994.
- (406) Tremblay A, Simoneau JA, Bouchard C. Impact of exercise intensity on body fatness and skeletal muscle metabolism. Metabolism 43:814-8, 1994. PMID: 8028502
- (407) Lissner L, Sjöström L, Bengtsson C, Bouchard C, Larsson, B. The natural history of obesity in an obese population and associations with metabolic aberrations. Int J Obes 18:441-7, 1994. PMID: 8081436
- (408) Pouliot MC, Després J-P, Dionne FT, Vohl MC, Moorjani S, Prud'homme D, Bouchard C, Lupien PJ. ApoB-100 gene EcoRI polymorphism. Relations to plasma lipoprotein

- changes associated with abdominal visceral obesity. Arterioscler Thromb 14:527-33, 1994. PMID: 7908536
- (409) Pouliot MC, Després J-P, Lemieux S, Moorjani S, Bouchard C, Tremblay A, Nadeau A, Lupien PJ. Waist circumference and abdominal sagittal diameter: best simple anthropometric indexes of abdominal visceral adipose tissue accumulation and related cardiovascular risk in men and women. Am J Cardiol 73:460-8, 1994. PMID: 8141087
  - (410) Lemieux S, Després J-P, Moorjani S, Nadeau A, Thériault G, Prud'homme D, Tremblay A, Bouchard C, Lupien PJ. Are gender differences in cardiovascular disease risk factors explained by the level of visceral adipose tissue? Diabetologia 37:757-64, 1994. PMID: 7988777
  - (411) Oppert JM, Dussault JH, Tremblay A, Després J-P, Thériault G, Bouchard C. Thyroid hormones and thyrotropin variations during long term overfeeding in identical twins. J Clin Endocrinol Metab 79:547-53, 1994. PMID: 8045975
  - (412) Oppert JM, Vohl MC, Chagnon M, Dionne FT, Cassard-Doucier AM, Ricquier D, Perusse L, Bouchard C. DNA polymorphism in the uncoupling protein (UCP) gene and human body fat. Int J Obes 18:526-31, 1994. PMID: 7951471
  - (413) Bouchard C. Génétique et obésité (Monographie). Paris, France: Ardix Médical, 1994.
  - (414) Bouchard C. Genetic variation in exercise and obesity. In: Hills AP, Wahlqvist ML, editors. Exercise and obesity Great Britain: Smith-Gordon, 1994. p. 33-47.
  - (415) Bouchard C, Tremblay A, Després J-P, Thériault G, Nadeau A, Lupien PJ, Moorjani S, Prud'homme D, Fournier G. The response to exercise with constant energy intake in identical twins. Obes Res 2:400-10, 1994. PMID: 16358397
  - (416) Vohl MC, Dionne FT, Perusse L, Dériaz O, Chagnon M, Bouchard C. Relation between *BglIII* polymorphism in 3 $\beta$ -hydroxysteroid dehydrogenase gene and adipose tissue distribution in humans. Obes Res 2:444-9, 1994. PMID: 16353595
  - (417) Bouchard C. Human obesities. In: Goldbourt U, de Faire U, Berg K, editors. Genetic factors in coronary heart disease. The Netherlands: Kluwer Academic Publishers BV, 1994. p. 189-202.
  - (418) Rice T, Province M, Perusse L, Bouchard C, Rao DC. Cross-trait familial resemblance for body fat and blood pressure: Familial correlations in the Québec Family Study. Am J Hum Genet 55:1019-29, 1994. PMID: 7977339
  - (419) Bouchard C. Recent advances in the molecular and genetic basis of human obesity. In: Ditschuneit H, Gries FA, Hauner H, Schusdziarra V, Wechsler JG, editors. Obesity in Europe 1993. Proceedings of the 5th European Congress on Obesity. London, England: John Libbey & Company Ltd, 1994. p. 1-8.

- (420) Bouchard C. The Genetic Link: Are We Born to be Overweight? Weight Control Digest 4:329-44, 1994
- (421) Oppert JM, Nadeau A, Tremblay A, Després J-P, Thériault G, Dériaz O, Bouchard C. Plasma glucose, insulin and glucagon before and after long-term overfeeding in identical twins. Metabolism 44:96-105, 1995. PMID: 7854173
- (422) Simoneau JA, Bouchard C. Skeletal muscle metabolism and body fat content in men and women. Obes Res 3:23-9, 1995. PMID: 7712356
- (423) Borecki IB, Rice T, Perusse L, Bouchard C, Rao DC. Major gene influence on the propensity to store fat in trunk versus extremity depots: Evidence from the Québec Family Study. Obes Res 3:1-8, 1995. PMID: 7712353
- (424) Boulay M R, Song TMK, Serresse O, Thériault G, Simoneau JA, Bouchard C. Changes in plasma electrolytes and muscle substrates during short-term maximal exercise in humans. Can J Appl Physiol 20:89-101, 1995. PMID: 7742773
- (425) Pate RR, Pratt M, Blair SN, Haskell WL, Macera CA, Bouchard C, Buchner D, Ettinger W, Heath GW, King AC, Kriska A, Leon AS, Marcus BH, Morris J, Paffenbarger RS, Patrick K, Pollock ML, Rippe JM, Sallis J, Wilmore JH. Physical activity and public health: A recommendation from the Centers for Disease Control and Prevention and the American College of Sports Medicine. JAMA 273:402-7, 1995. PMID: 7823386
- (426) Oppert JM, Tourville J, Chagnon M, Mauriège P, Dionne FT, Perusse L, Bouchard C. DNA polymorphisms in the  $\alpha_2$  and  $\beta_2$ -adrenoceptor genes and regional fat distribution in humans: association and linkage studies. Obes Res 3:249-55, 1995. PMID: 7627773
- (427) Bouchard C. The genetics of obesity: from genetic epidemiology to molecular markers. Mol Med Today 1:45-50, 1995. PMID: 9415138
- (428) Alméras N, Lavallée N, Després J-P, Bouchard C, Tremblay A. Exercise and energy intake: effect of substrate oxidation. Physiol Behav 57:995-1000, 1995. PMID: 7610155
- (429) Tremblay A, Nadeau A, Després J-P, Bouchard C. Hyperinsulinemia and regulation of energy balance. Am J Clin Nutr 61:827-30, 1995. PMID: 7702026
- (430) St-Amand J, Després J-P, Lemieux S, Lamarche B, Moorjani S, Prud'homme D, Bouchard C, Lupien PJ. Does lipoprotein or hepatic lipase activity explain the protective lipoprotein profile of premenopausal women? Metabolism 44:491-8, 1995. PMID: 7723672
- (431) Bouchard C, Leon AS, Rao DC, Skinner JS, Wilmore JH, Gagnon J. The Heritage Family Study. Aims, design, and measurement protocol. Med Sci Sports Exerc 27:721-9, 1995. PMID: 7674877



- (432) Bouchard C. Genetic influences on body weight and shape. In: Brownell KD, Fairburn CG, editors. Eating disorders and obesity. A Comprehensive Handbook. New York: The Guilford Press, 1995. p. 21-6.
- (433) Mauriège P, Marette S, Atgié C, Bouchard C, Thériault G, Bukowiecki LK, Marceau P, Biron S, Nadeau A, Després J-P. Regional variation in adipose tissue metabolism of severely obese premenopausal women. J Lipid Res 36:672-84, 1995. PMID: 7616115
- (434) Bouchard C. Genetics and the metabolic syndrome. Int J Obes 19:S52-S59, 1995. PMID: 7550538
- (435) Simoneau JA, Bouchard C. Genetic determinism of fiber type proportion in human skeletal muscle. FASEB 9:1091-5, 1995. PMID: 7649409
- (436) Bouchard C. Genetics of obesity: an update on molecular markers. Int J Obes 19, suppl. 3:S10-S13, 1995. PMID: 8581071
- (437) Tremblay A, Wouters E, Wenker M, St-Pierre S, Bouchard C, Després J-P. Alcohol and a high-fat diet: a combination favoring overfeeding. Am J Clin Nutr 62:639-44, 1995. PMID: 7661127
- (438) Vohl MC, Lamarche B, Moorjani S, Prud'homme D, Nadeau A, Bouchard C, Lupien PJ, Després J-P. The lipoprotein lipase *HindIII* polymorphism modulates plasma triglyceride levels in visceral obesity. Arterioscler Thromb Vasc Biol 15:714-20, 1995. PMID: 7749885
- (439) Song TMK, Thériault G, Prud'homme D, Malina RM, Bouchard C. Relationships of physical fitness, fatness, and lifestyle indicators with blood iron in children and adults. Am J Hum Biol 7:631-41, 1995. PMID: 28557121
- (440) Bouchard C. Individual differences in the response to regular exercise. Int J Obes 19 (Suppl 4):S5-S8, 1995. PMID: 8581095
- (441) Després J-P, Lamarche B, Bouchard C, Tremblay A, Prud'homme D. Exercise and the prevention of dyslipidemia and coronary heart disease. Int J Obes 19 (Suppl 4):S45-S51, 1995. PMID: 8581094
- (442) Buemann B, Tremblay A, Bouchard C. Social class interacts with the association between macronutrient intake and subcutaneous fat. Int J Obes 19:770-5, 1995. PMID: 8589776
- (443) Lemieux S, Prud'homme D, Moorjani S, Tremblay A, Bouchard C, Lupien PJ, Després J-P. Do elevated levels of abdominal visceral adipose tissue contribute to age-related differences in plasma lipoprotein concentrations in men? Atherosclerosis 118:155-64, 1995. PMID: 8579625
- (444) Tremblay A, Buemann B, Thériault G, Bouchard C. Body fatness in active individuals reporting low lipid and alcohol intake. Eur J Clin Nutr 49:824-31, 1995. PMID: 8557020

- (445) Bouchard C. L'activité physique et la santé. Publié dans les Actes du Forum Mondial sur l'activité physique et le sport, Québec 1995, p. 133-41.
- (446) Rice T, Bouchard C, Perusse L, Rao DC. Familial clustering of multiple measures of adiposity and fat distribution in the Québec Family Study: A trivariate analysis of percent body fat, body mass index, and trunk-to-extremity skinfold ratio. Int J Obes 19:902-8, 1995. PMID: 8963359
- (447) Shephard RJ, Bouchard C. Relationship between perceptions of physical activity and health-related fitness. J Sports Med Phys Fitness 35:149-58, 1995. PMID: 8775640
- (448) Bouchard C, Després J-P. Physical activity and health: atherosclerotic, metabolic, and hypertensive diseases. Res Q Exerc Sport 66:268-75, 1995. PMID: 8775581
- (449) Bouchard C. Defining the genetic basis of obesity: challenges and opportunities. In: Allison DB, Pi-Sunyer FX, editors. Obesity treatment. Establishing goals, improving outcomes, and reviewing the research agenda. New York: Plenum Press, 1995. p. 219-24.
- (450) Bouchard C, Perusse L. Current status of the human obesity gene map. Obes Res 4:81-90, 1996. PMID: 8787941
- (451) Bouchard C. Genetics and the molecular basis of obesity. Can J Diagnosis supplement Jan: 7-12, 1996
- (452) Bouchard C. Dexfenfluramine and abdominal visceral fat. Editorial. Obes Res 4:77-9, 1996. PMID: 8787940
- (453) White MD, Bouchard G, Buemann B, Almérás N, Després J-P, Bouchard C, Tremblay A. Reproducibility of 24-h energy expenditure and macronutrient oxidation rates in an indirect calorimeter. J Appl Physiol 80:133-9, 1996. PMID: 8847293
- (454) Bouchard C. Genetic influences on human body composition and physique. In: Roche AF, Heymsfield SB, Lohman TG, editors. Human Body Composition. Champaign, IL: Human Kinetics, 1996. p. 305-27.
- (455) Angel A, Anderson H, Bouchard C, Lau D, Leiter L, Mendelson R, editors. Progress in Obes Res: 7. Proceedings of the 7th International Congress on Obesity. London, England: John Libbey & Company Ltd, 1996.
- (456) Bouchard C. Genetics of body fat content. In: Angel A, Anderson H, Bouchard C, Lau D, Leiter L, Mendelson R, editors. Progress in Obes Res: 7. Proceedings of the 7th International Congress on Obesity. London, England: John Libbey & Company Ltd, 1996. p. 33-41.

- (457) Perusse L, Bouchard C. Identification of genes contributing to excess body fat and fat distribution. In: Angel A, Anderson H, Bouchard C, Lau D, Leiter L, Mendelson R, editors. Progress in Obes Res: 7. Proceedings of the 7th International Congress on Obesity. London, England: John Libbey & Company Ltd, 1996. p. 281-9.
- (458) Bouchard C, Bray GA, editors. Regulation of body weight. Biological and behavioral mechanisms. Report of the Dahlem Workshop on Regulation of body weight: biological and behavioral mechanisms. Berlin 1995. Chichester, England: John Wiley & Sons, 1996.
- (459) Bouchard C, Bray GA. Introduction. In: Bouchard C, Bray GA, editors. Regulation of body weight: Biological and behavioral mechanisms. Report of the Dahlem Workshop on Regulation of body weight: biological and behavioral mechanisms. Berlin 1995. Chichester, England: John Wiley & Sons, 1996. p. 1-13.
- (460) Warden CH, Bouchard C, Friedman JM, Hebebrand J, Hitman GA, Kozak LP, Leibel RL, Price RA, Zechner R. Group Report: How can we best apply the tools of genetics to study body weight regulation? Report of the Dahlem Workshop on Regulation of body weight: biological and behavioral mechanisms. Berlin 1995. Chichester, England: John Wiley & Sons, 1996. p 285-305.
- (461) Cassard-Doucier AM, Bouillaud F, Chagnon M, Gelly C, Dionne FT, Oppert JM, Bouchard C, Chagnon Y, Ricquier D. The *Bcl1* polymorphism of the human uncoupling protein (ucp) gene is due to a point mutation in the 5'-flanking region. Int J Obes 20:278-79, 1996. PMID: 8653151
- (462) Perusse L, Després J-P, Lemieux S, Rice T, Rao DC, Bouchard C. Familial aggregation of abdominal visceral fat level: results from the Quebec Family Study. Metabolism 45:378-82, 1996. PMID: 8606647
- (463) Bouchard C. Long-term programming of body size. Sixteenth Marabou Symposium Early Nutrition and Lifelong Health. Nutr Rev 54:S8-S16, 1996. PMID: 8710237
- (464) Bouchard C, Perusse L. The metabolic syndrome: genetic considerations. In: Matsuzawa Y, Akanuma Y, editors. Diabetes Mellitus, Obesity and Hyperlipidemia. Proceedings of Satellite Symposium to 15th International Diabetes Federation Congress. Osaka, November 1994. Axel Springer Japan Publishing, 1996.
- (465) Bouchard C. The genetics of obesity in humans. Curr Opin Endocrinol Diabet 3:29-35, 1996.
- (466) Bouchard C, Rice T, Lemieux S, Després J-P, Perusse L, Rao DC. Major gene for abdominal visceral fat area in the Québec Family Study. Int J Obes 20:420-7, 1996. PMID: 8696420
- (467) Rice T, Perusse L, Bouchard C, Rao DC. Familial clustering of abdominal visceral fat and total fat mass: The Québec Family Study. Obes Res 4:253-61, 1996. PMID: 8732959

- (468) Bouchard C. Genetic epidemiology, association, and sib-pair linkage: Results from the Québec Family Study. In: Bray GA, Ryan DH, editors. Molecular and genetic aspects of obesity. Vol. 5. Pennington Center Nutrition Series. Baton Rouge, LA: Louisiana State University Press, 1996. p. 470-81.
- (469) Shephard RJ, Bouchard C. Associations between health behaviours and health related fitness. Br J Sports Med 30:94-101, 1996. PMID: 8799591
- (470) Bouchard C. Genetic and energy balance interactions in humans. In: Berdanier CD, editor Nutrients and gene expression. Clinical aspects. Boca Raton, FL: CRC Press, 1996. p. 83-100.
- (471) Couillard C, Larmarche B, Tchernof A, Prud'homme D, Tremblay A, Bouchard C, Moorjani S, Nadeau A, Lupien PJ, Després J-P. Plasma high-density lipoprotein cholesterol but not apolipoprotein A-I is a good correlate of the visceral obesity-insulin resistance dyslipidemic syndrome. Metabolism 45:882-8, 1996. PMID: 8692026
- (472) Bouchard C. Can obesity be prevented? Nutr Rev 54:S125-S130, 1996. PMID: 8700439
- (473) Lemieux S, Prud'homme D, Tremblay A, Bouchard C, Després J-P. Anthropometric correlates to changes in visceral adipose tissue over 7 years in women. Int J Obes 20:618-24, 1996. PMID: 8817355
- (474) Mauriège P, Klein Kranenbarg WM, Prud'homme D, Lamarche B, Tremblay A, Bouchard C, Nadeau A, Després J-P. Insulin and glucagon responses to adrenaline infusion in abdominal obese men. Int J Obes 20:668-76, 1996. PMID: 8817361
- (475) Li Z, Rice T, Perusse L, Bouchard C, Rao DC. Familial aggregation of subcutaneous fat patterning: Principal components of skinfolds in the Québec Family Study. Am J Hum Biol 8:535-42, 1996. PMID: 28557079
- (476) Wilmore JH, Stanforth PR, Gagnon J, Leon AS, Rao DC, Skinner, S, Bouchard C. Endurance exercise training has a minimal effect on resting heart rate: the HERITAGE study. Med Sci Sports Exerc 28:829-35, 1996. PMID: 8832536
- (477) Bouchard C, Tremblay A, Després J-P, Nadeau A, Lupien PJ, Moorjani S, Thériault G, Kim SY. Overfeeding in identical twins: 5-year postoverfeeding results. Metabolism 45:1042-50, 1996. PMID: 8769366
- (478) Mauriège P, Bouchard C. Trp64Arg mutation in  $\beta$ 3-adrenoceptor gene of doubtful significance for obesity and insulin resistance. Lancet 348:698-9, 1996. PMID: 8806286
- (479) Lemieux S, Prud'homme D, Nadeau A, Tremblay A, Bouchard C, Després J-P. Seven-year changes in body fat and visceral adipose tissue in women. Diabetes Care 19:983-91, 1996. PMID: 8875093

- (480) Bouchard C. Genética de la obesidad: sus determinantes. In: Braguinsky J y colaboradores, editors. Obesidad. Segunda Edicion. Buenos Aires, Argentina: Libreria-Editorial El Ateneo, 1996. p. 54-69.
- (481) Bouchard C. Advances in the genetics of obesity: impact on therapeutic perspectives. In: Caterson I, editor. Treating eating patterns nutrition & overweight. No. 17. Australia: Servier Laboratories (Aust) Pty. Ltd, 1996.
- (482) Väisänen S, Rauramaa R, Rankinen T, Gagnon J, Bouchard C. Physical activity, fitness, and plasma fibrinogen with reference to fibrinogen genotypes. Med Sci Sports Exerc 28:1165-70, 1996. PMID: 8883005
- (483) Rice T, Tremblay A, Dériaz O, Perusse L, Rao DC, Bouchard C. A major gene for resting metabolic rate unassociated with body composition: results from the Québec Family Study. Obes Res 4:441-9, 1996. PMID: 8885208
- (484) Vohl MC, Tchernof A, Dionne FT, Moorjani S, Prud'homme D, Bouchard C, Nadeau A, Lupien PJ, Després J-P. The ApoB-100 gene *EcoRI* polymorphism influences the relationship between features of the insulin resistance syndrome and the Hyper-ApoB and dense LDL phenotype in men. Diabetes 45:1405-11, 1996. PMID: 8826978
- (485) Gagnon J, Mauriège P, Roy S, Sjöström D, Chagnon YC, Dionne FT, Oppert JM, Perusse L, Sjöström L, Bouchard C. The Trp64Arg mutation of the  $\beta 3$  adrenergic receptor gene has no effect on obesity phenotypes in the Québec Family Study and Swedish Obese Subjects cohorts. J Clin Invest 98:2086-93, 1996. PMID: 8903328
- (486) Chagnon YC, Bouchard C. Genetics of obesity: advances from rodent studies. Trends Genet 12:441-4, 1996. PMID: 8973143
- (487) Bouchard C. Genetics of obesity in humans: current issues. In: The origins and consequences of obesity. Ciba Foundation Symposium. Chichester, England: John Wiley & Sons, 1996. p. 108-17.
- (488) Rice T, Tremblay A, Dériaz O, Perusse L, Rao DC, Bouchard C. Genetic pleiotropy for resting metabolic rate with fat-free mass and fat mass: The Québec Family Study. Obes Res 4:125-31, 1996. PMID: 8681045
- (489) Lemieux S, Prud'homme D, Bouchard C, Tremblay A, Després J-P. A single threshold value of waist girth identifies normal-weight and overweight subjects with excess visceral adipose tissue. Am J Clin Nutr 64:685-93, 1996. PMID: 8901786
- (490) Couillard C, Lemieux S, Moorjani S, Lupien PJ, Thériault G, Prud'homme D, Tremblay A, Bouchard C, Després J-P. Associations between 12-year changes in body fatness and lipoprotein-lipid levels in men and women of the Québec Family Study. Int J Obes 20:1081-8, 1996. PMID: 8968853

- (491) Gagnon J, Province MA, Bouchard C, Leon AS, Skinner JS, Wilmore JH, Rao DC. The HERITAGE Family Study: Quality Assurance and Quality Control. Ann Epidemiol 6:520-9, 1996. PMID: 8978882
- (492) Rice T, Nadeau A, Perusse L, Bouchard C, Rao DC. Familial correlations in the Québec family study: cross-trait familial resemblance for body fat with plasma glucose and insulin. Diabetologia 39:1357-64, 1996. PMID: 8933005
- (493) Bouchard C. The causes of obesity: advances in molecular biology but stagnation on the genetic front. Diabetologia 39:1532-3, 1996. PMID: 8960838
- (494) Malina RM, Katzmarzyk PT, Song TMK, Thériault G, Bouchard C. Somatotype and cardiovascular risk factors in healthy adults. Am J Hum Biol 9:11-9, 1997. PMID: 28557079
- (495) Boulay MR, Simoneau JA, Lortie G, Bouchard C. Monitoring high-intensity endurance exercise with heart rate and thresholds. Med Sci Sports Exerc 29:125-32, 1997. PMID: 9000165
- (496) Oppert JM, Nadeau A, Tremblay A, Després J-P, Thériault G, Bouchard C. Negative energy balance with exercise in identical twins: plasma glucose and insulin responses. Am J Physiol 272:E248-E254, 1997. PMID: 9124331
- (497) Rönnemaa T, Koskenvuo M, Marniemi J, Koivunen T, Sajantila A, Rissanen A, Kaitsaari M, Bouchard C, Kaprio J. Glucose metabolism in identical twins discordant for obesity: the critical role of visceral fat. J Clin Endocrinol Metab 82:383-7, 1997. PMID: 9024223
- (498) White MD, Bouchard G, Buemann B, Almérás N, Després J-P, Bouchard C, Tremblay A. Energy and macronutrient balances for humans in a whole body metabolic chamber without control of preceding diet and activity level. Int J Obes 21:135-40, 1997. PMID: 9043968
- (499) Perusse L, Chagnon YC, Dionne FT, Bouchard C. The human obesity gene map: the 1996 update. Obes Res 5:49-61, 1997. PMID: 9061716
- (500) Bouchard C. Physical activity and prevention of cardiovascular diseases: potential mechanisms. In: Leon AS, editor. Physical activity and cardiovascular health. A National Consensus. Champaign, IL: Human Kinetics, 1997. p. 49-56.
- (501) Bouchard C. Recent advances in the genetics and molecular biology of obesity. Proceedings of the Symposium on Wrestling with Obesity by the National Heart Foundation of Australia. October 1996, p. 16-20, 1997.
- (502) Chagnon YC, Perusse L, Lamothe M, Chagnon M, Nadeau A, Dionne FT, Gagnon J, Chung WK, Leibel RL, Bouchard C. Suggestive linkages between markers on human

- 1p32-p22 and body fat and insulin levels in the Quebec Family Study. Obes Res 5:115-21, 1997. PMID: 9112246
- (503) Vohl MC, Lamarche B, Bergeron J, Moorjani S, Prud'homme D, Nadeau A, Tremblay A, Lupien PJ, Bouchard C, Després J-P. The *MspI* polymorphism of the apolipoprotein A-II gene as a modulator of the dyslipidemic state found in visceral obesity. Atherosclerosis 128:183-90, 1997. PMID: 9050775
- (504) Bouchard C. Human variation in body mass: evidence for a role of the genes. Nutr Rev 55:S21-S30, 1997. PMID: 9155223
- (505) Wilmore JH, Stanforth PR, Domenick MA, Gagnon J, Daw EW, Leon AS, Rao DC, Skinner JS, Bouchard C. Reproducibility of anthropometric and body composition measurements: the HERITAGE Family Study. Int J Obes 21:297-303, 1997. PMID: 9130027
- (506) Clasey JL, Hartman ML, Kanaley J, Wideman L, Teates CD, Bouchard C, Weltman A. Body composition by DEXA in older adults: accuracy and influence of scan mode. Med Sci Sports Exerc 29:560-7, 1997. PMID: 9107641
- (507) Bouchard C, Malina RM, Perusse L. Genetics of Fitness and Physical Performance. Champaign, IL: Human Kinetics Publishers, 1997.
- (508) Tremblay A, Poehlman ET, Després J-P, Thériault G, Danforth E, Bouchard C. Endurance training with constant energy intake in identical twins: changes over time in energy expenditure and related hormones. Metabolism 46:499-503, 1997. PMID: 9160814
- (509) Alméras N, Lemieux S, Bouchard C, Tremblay A. Fat gain in female swimmers. Physiol Behav 61:811-7, 1997. PMID: 9177551
- (510) Bouchard C, Tremblay A. Genetic influences on the response of body fat and fat distribution to positive and negative energy balances in human identical twins. Symposium: Recent discoveries in genetic influences on obesity. J Nutr 127:943S-947S, 1997. PMID: 9164270
- (511) Väisänen S, Rauramaa R, Penttilä I, Rankinen T, Gagnon J, Perusse L, Chagnon M, Bouchard C. Variation in plasma fibrinogen over one year: relationships with genetic polymorphisms and non-genetic factors. Thromb Haemost 77:884-9, 1997. PMID: 9184397
- (512) Bouchard C. Genetic factors and body weight regulation. In: Dalton S, editor. Overweight and weight management. Gaithersburg, MD: Aspen Publishers, 1997. p. 161-86.
- (513) Marette A, Mauriège P, Marcotte B, Atgié C, Bouchard C, Thériault G, Bukowiecki LJ, Marceau P, Biron S, Nadeau A, Després J-P. Regional variation in adipose tissue insulin

- action and GLUT4 glucose transporter expression in severely obese premenopausal women. Diabetologia 40:590-98, 1997. PMID: 9165229
- (514) Buemann B, Vohl MC, Chagnon M, Chagnon YC, Gagnon J, Perusse L, Dionne F, Després J-P, Tremblay A, Nadeau A, Bouchard C. Abdominal visceral fat is associated with a *BclI* restriction fragment length polymorphism at the glucocorticoid receptor gene locus. Obes Res 5:186-92, 1997. PMID: 9192392
- (515) Chagnon YC, Perusse L, Bouchard C. Familial aggregation of obesity, candidate genes and quantitative trait loci. Curr Opin Lipidol 8:205-11, 1997. PMID: 9253536
- (516) Perusse L, Collier G, Gagnon J, Leon AS, Rao DC, Skinner JS, Wilmore JH, Nadeau A, Zimmet PZ, Bouchard C. Acute and chronic effects of exercise on leptin levels in humans. J Appl Physiol 83:5-10, 1997. 9216937
- (517) Seidell JC, Bouchard C. Visceral fat in relation to health: is it a major culprit or simply an innocent bystander? Int J Obes 21:626-31, 1997. PMID: 15481760
- (518) Bouchard C. Long-term stability of body mass and physique (Editorial comments). Nutrition 13:573-5, 1997. PMID: 9263242
- (519) Bouchard C. Physical activity, fitness and health. In: Health Promotion and Physical Activity. Proceedings of the Joint Meeting Cologne of WHO & FIMS. April 1994, p. 37-47, 1996.
- (520) El-Moalem HE, Gagnon J, Province M, Bouchard C, Leon AS, Skinner JS, Wilmore JH, Rao DC. Race differences in reproducibilities: The HERITAGE Family Study. Am J Hum Biol 9:415-24, 1997. PMID: 28561281
- (521) Bouchard C. Response to Letter to the Editor (Barry Bogin). Am J Hum Biol 10: 280-1, 1998.
- (522) Lembertas AV, Perusse L, Chagnon YC, Fisler JS, Warden CH, Purcell-Huynh DA, Dionne FT, Gagnon J, Nadeau A, Lusk AJ, Bouchard C. Identification of an obesity quantitative trait locus on mouse chromosome 2 and evidence of linkage to body fat and insulin on the human homologous region 20q. J Clin Invest 100:1240-7, 1997. PMID: 9276742
- (523) Wilmore JH, Leon AS, Rao DC, Skinner JS, Gagnon J, Bouchard C. Genetics, response to exercise, and risk factors: The HERITAGE Family Study. Nutrition and fitness: Evolutionary aspects. Children's health, programs and policies. World Rev Nutr Diet 81: 72-83, 1997. PMID: 9287505
- (524) Rauramaa R, Väisänen S, Nissinen A, Rankinen T, Penttilä I, Saarikoski S, Tuomilehto J, Gagnon J, Perusse L, Bouchard C. Physical activity, fibrinogen plasma level and gene



- polymorphisms in postmenopausal women. Thromb Haemost 78:840-4, 1997. PMID: 9268181
- (525) Tchernof A, Labrie F, Bélanger A, Prud'homme D, Bouchard C, Tremblay A, Nadeau A, Després J-P. Relationships between endogenous steroid hormone, sex hormone-binding globulin and lipoprotein levels in men: contribution of visceral obesity, insulin levels and other metabolic variables. Atherosclerosis. 133:235-44, 1997. PMID: 9298684
- (526) Bouchard C. Genetics of human obesity: recent results from linkage studies. J Nutr 127:1887S-1890S, 1997. PMID: 9278576
- (527) Tremblay A, Bouchard C. Dietary fats and thermogenesis. Lipids and Syndromes of Insulin Resistance, from molecular biology to clinical medicine. Ann N Y Acad Sci 27: 408-16, 1997. PMID: 9329771
- (528) Bouchard C, Perusse L, Chagnon YC, Warden C, Ricquier D. Linkage between markers in the vicinity of the uncoupling protein 2 gene and resting metabolic rate in humans. Hum Mol Genet 6:1887-9, 1997. PMID: 9302267
- (529) Rivera MA, Dionne FT, Simoneau JA, Perusse L, Chagnon M, Chagnon Y, Gagnon J, Leon AS, Rao DC, Skinner JS, Wilmore JH, Bouchard C. Muscle-specific creatine kinase gene polymorphism and VO<sub>2</sub>max in the HERITAGE Family Study. Med Sci Sports Exerc 29:1311-7, 1997. PMID: 9346161
- (530) Levesque M, Boulay MR, Bouchard C, Simoneau JA. Time course of training-induced changes in maximal exercise of short duration in men and women. Int J Sports Med 18:464-9, 1997. PMID: 9351694
- (531) Daw EW, Province MA, Gagnon J, Després J-P, Bouchard C, Leon AS, Skinner JS, Wilmore JH, Rao DC. Reproducibility of the HERITAGE Family Study intervention protocol: drift over time. Ann Epidemiol 7:452-62, 1997. PMID: 9349912
- (532) Bouchard C. Obesity in adulthood. The importance of childhood and parental obesity. Editorial. N Engl J Med 337:926-7, 1997. PMID: 9302308
- (533) Bray G, Bouchard C. Genetics of human obesity: research directions. FASEB J 11:937-45, 1997. PMID: 9337146.
- (534) Couillard C, Mauriège P, Prud'homme D, Nadeau A, Tremblay A, Bouchard C, Després J-P. Plasma leptin concentrations: gender differences and associations with metabolic risk factors for cardiovascular disease. Diabetologia. 40:1178-84, 1997. PMID: 9349599
- (535) Rice T, Després J-P, Daw EW, Gagnon J, Borecki IB, Perusse L, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bouchard C. Familial resemblance for abdominal visceral fat: the HERITAGE family study. Int J Obes 21:1024-31, 1997. PMID: 9368826

- (536) Bouchard C, Malina, R. Croissance et maturation de l'enfant. In: Thiebault CM, Sprumont P, editors. L'enfant et le sport. DeBoeck Université, Bruxelles, Belgique, 1998. p. 17-26.
- (537) Clasey JL, Bouchard C, Wideman L, Kanaley J, Teates CD, Thorner MO, Hartman ML, Weltman A. The influence of anatomical boundaries, age, and sex on the assessment of abdominal visceral fat. Obes Res 5:395-401, 1997. PMID: 9385612
- (538) Bouchard C. Genetic determinants of regional fat distribution. Hum Reprod 12 (Suppl 1):1-5, 1997. PMID: 9403316
- (539) Chagnon YC, Chen WJ, Perusse L, Chagnon M, Nadeau A, Wilkison WO, Bouchard C. Linkage and association studies between the melanocortin receptors 4 and 5 genes and obesity-related phenotypes in the Québec Family Study. Mol Med 3:663-73, 1997. PMID: 9392003
- (540) Rivera MA, Dionne FT, Wolfarth B, Chagnon M, Simoneau JA, Perusse L, Boulay MR, Gagnon J, Song TMK, Keul J, Bouchard C. Muscle-specific creatine kinase gene polymorphisms in elite endurance athletes and sedentary controls. Med Sci Sports Exerc 29:1444-7, 1997. PMID: 9372480
- (541) Gagnon J, Ho-Kim MA, Chagnon YC, Perusse L, Dionne FT, Leon AS, Rao DC, Skinner JS, Wilmore JH, Bouchard C. Absence of linkage between VO<sub>2</sub>max and its response to training with markers spanning chromosome 22. Med Sci Sports Exerc 29:1448-53, 1997. 9372481
- (542) Rice T, Després J-P, Perusse L, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bouchard C. Segregation analysis of abdominal visceral fat: The HERITAGE Family Study. Obes Res 5:417-24, 1997. PMID: 9385615
- (543) Perusse L, Rice T, Després J-P, Bergeron J, Province MA, Gagnon J, Leon AS, Rao DC, Skinner JS, Wilmore JH, Bouchard C. Familial resemblance of plasma lipids, lipoproteins and postheparin lipoprotein and hepatic lipases in the HERITAGE Family Study. Arterioscler Thromb Vasc Biol. 17:3263-9, 1997. PMID: 9409321
- (544) Perusse L, Rice T, Després J-P, Rao DC, Bouchard C. Cross-trait familial resemblance for body fat and blood lipids: familial correlations in the Quebec Family Study. Arterioscler Thromb Vasc Biol 17:3270-7, 1997. PMID: 9409322
- (545) Rankinen T, Suomela-Markkanen T, Väisänen S, Helminen A, Penttilä I, Berg A, Bouchard C, Rauramaa R. Relationship between changes in physical activity and plasma insulin during a 2.5-year follow-up study. Metabolism 46:1418-23, 1997. PMID: 9439536
- (546) Väisänen S, Baumstark MW, Penttilä I, Bouchard C, Halonen P, Rankinen T, Berg A, Rauramaa R. Small, dense LDL particle concentration correlates with plasminogen

- activator inhibitor Type-1 (PAI-1) activity. Thromb Haemost 78:1495-9, 1997. PMID: 9423801
- (547) Bouchard C. Biological aspects of the active living concept. In: Curtis JE, Russell SJ, editors. Physical Activity in Human Experience - Interdisciplinary Perspectives. Champaign, IL: Human Kinetics, 1997. p. 11-58
  - (548) Simoneau JA, Bouchard C. The effects of genetic variation on anaerobic performance. In: Van Praagh E, editor. Pediatric anaerobic performance. Champaign, IL: Human Kinetics, 1998. p. 5-21.
  - (549) Rice T, Daw EW, Gagnon J, Bouchard C, Leon AS, Skinner JS, Wilmore JH, Rao DC. Familial resemblance for body composition measures: The HERITAGE Family Study. Obes Res 5:557-62, 1997. PMID: 9449140
  - (550) Gu C, Rice T, Perusse L, Bouchard C, Rao DC. Principal components analysis of morphological measures in the Québec Family Study: Familial correlations. Am J Hum Biol 9:725-33, 1997. PMID: 28561386
  - (551) Tchernof A, Labrie F, Belanger A, Prud'homme D, Bouchard C, Tremblay A, Nadeau A, Depres J-P. Androstane-3 $\alpha$ , 17  $\beta$ -diol glucuronide as a steroid correlate of visceral obesity in men. J Clin Endocrin Metab 82: 1528-34, 1997. PMID: 9141545
  - (552) Bar-Or O, Foreyt J, Bouchard C, Brownell KD, Dietz WH, Ravussin E, Salbe AD, Schwenger S, St Jeor S, Torun B. Physical activity, genetic, and nutritional considerations in childhood weight management. Med Sci Sports Exerc 30:2-10, 1998. PMID: 9475638
  - (553) Chagnon YC, Perusse L, Bouchard C. The Human Obesity Gene Map: the 1997 update. Obes Res 6:76-92, 1998. PMID: 9526974
  - (554) Bray GA, Bouchard C, James WPT, editors. Handbook of Obesity. New York: Dekker Inc, 1998.
  - (555) Bray GA, Bouchard C, James WPT. Definitions and proposed current classification of obesity. . In: Bray GA, Bouchard C, James WPT, editors. Handbook of Obesity. New York: Dekker Inc, 1998. p. 31-40.
  - (556) Bouchard C, Perusse L, Rice T, Rao DC. The genetics of human obesity. In: Bray GA, Bouchard C, James WPT, editors. Handbook of Obesity. New York: Dekker Inc, 1998. p. 157-90.
  - (557) Bouchard C, Daw EW, Rice T, Perusse L, Gagnon J, Province MA, Leon AS, Rao DC, Skinner JS, Wilmore JH. Familial resemblance for VO<sub>2</sub>max in the sedentary state: the HERITAGE family study. Med Sci Sports Exerc 30:252-8, 1998. PMID: 9502354

- (558) Wilmore JH, Stanforth PR, Turley KR, Gagnon J, Daw EW, Leon AS, Rao DC, Skinner JS, Bouchard C. Reproducibility of cardiovascular, respiratory, and metabolic responses to submaximal exercise: The HERITAGE Family Study. Med Sci Sports Exerc 30:259-65, 1998. PMID: 9502355
- (559) Doucet E, Alméras N, White MD, Després J-P, Bouchard C, Tremblay A. Dietary fat composition and human adiposity. Eur J Clin Nutr 52:2-6, 1998. PMID: 9481524
- (560) Katzmarzyk PT, Malina RM, Song TMK, Thériault G, Bouchard C. Physique and echocardiographic dimensions in children, adolescents and young adults. Ann Hum Biol 25:145-57, 1998. PMID: 9533514
- (561) Katzmarzyk PT, Malina RM, Song TMK, Bouchard C. Somatotype and indicators of metabolic fitness in youth. Am J Hum Biol 10:341-50, 1998. PMID: 28561405
- (562) Tremblay A, Drapeau V, Doucet E, Alméras N, Després J-P, Bouchard C. Fat balance and ageing: results from the Québec Family Study. Br J Nutr 79:413-8, 1998. PMID: 9682659
- (563) Bouchard C, Perusse L. Susceptibility genes and the metabolic syndrome. In: Hanefeld M, Leonhardt W, Jaross W, Dude H, editors. Advances in lipoprotein and atherosclerosis research, diagnostics and treatment. Proceedings of the 9th International Dresden Lipid Symposium. New York: G Fischer, 1998. p. 1-10.
- (564) Katzmarzyk PT, Malina RM, Song TMK, Bouchard C. Television viewing, physical activity, and health-related fitness of youth in the Québec Family Study. J Adolesc Health 23: 318-25, 1998. PMID: 9814394
- (565) Gagnon J, Lago F, Chagnon YC, Perusse L, Näslund I, Lissner L, Sjöström L, Bouchard C. DNA polymorphism in the uncoupling protein 1 (UCP1) gene has no effect on obesity related phenotypes in the Swedish Obese Subjects cohorts. Int J Obes 22:500-5, 1998. PMID: 9665669
- (566) Rivera MA, Wolfarth B, Dionne FT, Chagnon M, Simoneau JA, Boulay MR, Song TMK, Perusse L, Gagnon J, Leon AS, Rao DC, Skinner JS, Wilmore JH, Keul J, Bouchard C. Three mitochondrial DNA restriction polymorphisms in elite endurance athletes and sedentary controls. Med Sci Sports Exerc 30: 687-90, 1998. 9588609
- (567) Katzmarzyk PT, Malina RM, Song TMK, Bouchard C. Physical activity and health-related fitness in youth: a multivariate analysis. Med Sci Sports Exerc 30:709-14, 1998. PMID: 9588613
- (568) Gu C, Borecki I, Gagnon J, Bouchard C, Leon AS, Skinner JS, Wilmore JH, Rao DC. Familial resemblance for resting blood pressure with particular reference to racial differences: Preliminary analyses from the HERITAGE Family Study. Hum Biol 70:77-90, 1998. PMID: 9489236

- (569) Bouchard C. L'obésité est-elle une maladie génétique? Médecine Thérapeutique 4:283-9, 1998.
- (570) Couillard C, Bergeron N, Prud'homme D, Bergeron J, Tremblay A, Bouchard C, Mauriège P, Després J-P. Postprandial triglyceride response in visceral obesity in men. Diabetes 47:953-60, 1998. PMID: 9604874
- (571) Wilmore JH, Stanforth PR, Hudspeth LA, Gagnon J, Daw EW, Leon AS, Rao DC, Skinner JS, Bouchard C. Alterations in resting metabolic rate as a consequence of 20 wk of endurance training: the HERITAGE Family Study. Am J Clin Nutr 68:66-71, 1998. PMID: 9665098
- (572) Perusse L, Chagnon YC, Rice T, Rao DC, Bouchard C. L'épidémiologie génétique et la génétique moléculaire de l'obésité: les enseignements de l'étude des familles de Québec. Médecine/Sciences 14:914-24, 1998.
- (573) Perusse L, Chagnon YC, Bouchard C. Etiology of massive obesity: role of genetic factors. World J Surg 22:907-12, 1998.
- (574) Rönnemaa T, Marniemi J, Savolainen MJ, Kesäniemi YA, Ehnholm C, Bouchard C, Koskenvuo M. Serum lipids, lipoproteins, and lipid metabolizing enzymes in identical twins discordant for obesity. J Clin Endocrinol Metab 83:2792-9, 1998. PMID: 9709949
- (575) Pritchard J, Després J-P, Gagnon J, Tchernof A, Nadeau A, Tremblay A, Bouchard C. Plasma adrenal, gonadal, and conjugated steroids before and after long term overfeeding in identical twins. J Clin Endocrinol Metab 83:3277-84, 1998. PMID: 9745441
- (576) Borecki IB, Blangero J, Rice T, Perusse L, Bouchard C, Rao DC. Evidence for at least two major loci influencing human fatness. Am J Hum Genet 63:831-8, 1998. PMID: 9718336
- (577) Hong Y, Rice T, Gagnon J, Després J-P, Nadeau A, Perusse L, Bouchard C, Leon AS, Skinner JS, Wilmore JH, Rao DC. Familial clustering of insulin and abdominal visceral fat: The HERITAGE Family Study. J Clin Endocrinol Metab 83:4239-45, 1998. PMID: 9851757
- (578) Bouchard C. Heredity and health-related fitness. In: Corbin CB, Pangrazi RP, editors. Toward a better understanding of physical fitness & activity. Scottsdale, AZ: Holcomb Hathaway Publishers, 1999. p. 11-17.
- (579) Stanforth PR, Ruthven MD, Gagnon J, Bouchard C, Leon AS, Rao DC, Skinner JS, Wilmore JH. Accuracy of prediction equations to estimate submaximal VO<sub>2</sub>max during cycle ergometry: The HERITAGE Family Study. Med Sci Sports Exerc 31:183-8, 1999. PMID: 9927028

- (580) Perusse L, Chagnon YC, Weisnagel J, Bouchard C. The human obesity gene map: the 1998 update. Obes Res 7:111-29, 1999. PMID: 10023738
- (581) Katzmarzyk PT, Perusse L, Bouchard C. Genetics of abdominal visceral fat levels. Am J Hum Biol 11:225-35, 1999. PMID: 11533946
- (582) Rice T, Perusse L, Bouchard C, Rao DC. Familial aggregation of body mass index and subcutaneous fat measures in the longitudinal Québec Family Study. Genet Epidemiol 16:316-34, 1999. PMID: 10096693
- (583) Chagnon YC, Chung WK, Perusse L, Chagnon M, Leibel RL, Bouchard C. Linkages and associations between the leptin receptor (LEPR) gene and human body composition in the Québec Family Study. Int J Obes 23:278-86, 1999. PMID: 10193873
- (584) Dionne I, Després J-P, Bouchard C, Tremblay A. Gender difference in the effect of body composition on energy metabolism. Int J Obes 23:312-9, 1999. PMID: 10193878
- (585) Bouchard C, Perusse L, Chagnon YC. Genes and human obesity. In: Bray GA and Ryan DH, editors. Nutrition, Genetics, and Obesity. Vol. 9. Pennington Center Nutrition Series. Baton Rouge, LA: Louisiana State University Press, 1999. p. 25-45.
- (586) Rankinen T, Perusse L, Dériaz O, Thériault G, Chagnon M, Nadeau A, Bouchard C. Linkage of the Na,K-ATPase  $\alpha_2$  and  $\beta_1$  genes with resting and exercise heart rate and blood pressure: cross-sectional and longitudinal observations from the Quebec Family Study. J Hypertens 17:339-49, 1999. PMID: 10100071
- (587) An P, Rice T, Gagnon J, Borecki IB, Perusse L, Leon AS, Skinner JS, Wilmore JH, Bouchard C, Rao DC. Familial aggregation of resting blood pressure and heart rate in a sedentary population: The HERITAGE Family Study. Am J Hypertens 12:264-70, 1999. PMID: 10192228
- (588) St-Amand J, Prud'homme D, Moorjani S, Nadeau A, Tremblay A, Bouchard C, Lupien PJ, Després J-P. Apolipoprotein E polymorphism and the relationships of physical fitness to plasma lipoprotein-lipid levels in men and women. Med Sci Sports Exerc 31:692-697, 1999. PMID: 10331889
- (589) Rivera MA, Perusse L, Simoneau JA, Gagnon J, Dionne FT, Leon AS, Skinner JS, Wilmore JH, Province M, Rao DC, Bouchard C. Linkage between a muscle-specific CK gene marker and  $\text{VO}_2\text{max}$  in the HERITAGE Family Study. Med Sci Sports Exerc 31:698-701, 1999. PMID: 10331890
- (590) Bouchard C. La génétique du surpoids et de l'obésité. XXXII<sup>e</sup> Congrès de l'Association des pédiatres de langue française. Arch Pediatr 6 (Suppl. 2):158-60, 1999. PMID: 10370464

- (591) Perusse L, Bouchard C. Role of genetic factors in childhood obesity and in susceptibility to dietary variations. Proceedings of the XI Medical symposium of the Yrjö Jahnsson Foundation. Ann Med 31 (Suppl. 1):19-25, 1999. PMID: 28850281
- (592) Després J-P, Gagnon J, Bergeron J, Couillard C, Leon AS, Rao DC, Skinner JS, Wilmore JH, Bouchard C. Plasma post-heparin lipase activities in the HERITAGE Family Study: The reproducibility, gender differences, and associations with lipoprotein levels. Clin Biochem 32:157-65, 1999. PMID: 10383074
- (593) Rice T, Sjöström CD, Perusse L, Rao DC, Sjöström L, Bouchard C. Segregation analysis of body mass index in large sample selected for obesity: The Swedish Obese Subjects Study. Obes Res 7:246-55, 1999. PMID: 10348495
- (594) Katzmarzyk P, Malina RM, Song TMK, Bouchard C. Physique, subcutaneous fat, adipose tissue distribution, and risk factors in the Québec Family Study. Int J Obes 23:476-84, 1999. PMID: 10375050
- (595) Katzmarzyk P, Perusse L, Malina RM, Bouchard C. Seven-year stability of indicators of obesity and adipose tissue distribution in the Canadian population. Am J Clin Nutr 69:1123-9, 1999. PMID: 10357729
- (596) Hong Y, Rice T, Després J-P, Gagnon J, Nadeau A, Bergeron J, Perusse L, Bouchard C, Leon AS, Skinner JS, Wilmore JH, Rao DC. Evidence of a major locus for lipoprotein lipase (LPL) activity in addition to a pleiotropic locus for both LPL and fasting insulin: results from the HERITAGE Family Study. Atherosclerosis 144:393-401, 1999. PMID: 10407500
- (597) Katzmarzyk PT, Perusse L, Rao DC, Bouchard C. Familial risk of obesity and central adipose tissue distribution in the general Canadian population. Am J Epidemiol 149:933-42, 1999. PMID: 10342802
- (598) Katzmarzyk PT, Rankinen T, Perusse L, Dériaz O, Tremblay A, Borecki I, Rao DC, Bouchard C. Linkage and association of the sodium potassium-adenosine triphosphatase  $\alpha 2$  and  $\beta 1$  genes with respiratory quotient and resting metabolic rate in the Québec Family Study. J Clin Endocrinol Metab 84:2093-7, 1999. PMID: 10372716
- (599) Clasey JL, Bouchard C, Teates CD, Riblett JE, Thorner MO, Hartman ML, Weltman A. The use of anthropometric and dual-energy X-ray absorptiometry (DXA) measures to estimate total abdominal and abdominal visceral fat in men and women. Obes Res 7:256-64, 1999. PMID: 10348496
- (600) Perusse L, Bouchard C. Genotype-environment interaction in human obesity. Nutr Rev 57:S31-S38, 1999. PMID: 10391023

- (601) Rivera MA, Perusse L, Gagnon J, Dionne FT, Leon AS, Rao DC, Skinner JS, Wilmore JH, Sjöström L, Bouchard C. A mitochondrial DNA D-loop polymorphism and obesity in three cohorts of women. Int J Obes 23: 666-8, 1999. 10411243
- (602) Bouchard C. Introduction of the Symposium on uncoupling proteins and obesity organized by the Donald B. Brown Research Chair on Obesity, November 1998. Int J Obes 23 (Suppl 6): S2-S3, 1999.
- (603) Eisenmann JC, Katzmarzyk PT, Thériault G, Song TMK, Malina RM, Bouchard C. Physical activity and pulmonary function in youth: The Québec Family Study. Pediatr Exerc Sci 11:208-17, 1999.
- (604) Wilmore JH, Despres J-P, Stanforth PR, Mandel S, Rice T, Gagnon G, Leon AS, Rao DC, Skinner JS, Bouchard C. Alterations in body weight and composition consequent to 20 wk of endurance training: the HERITAGE Family Study. Am J Clin Nutr 70:346-52, 1999. PMID: 10479196
- (605) Bouchard C, An P, Rice T, Skinner JS, Wilmore JH, Gagnon J, Perusse L, Leon AS, Rao DC. Familial aggregation of VO<sub>2</sub>max response to exercise training: results from the HERITAGE Family Study. J Appl Physiol 87:1003-8, 1999. PMID: 10484570
- (606) Bouchard C, Chagnon YC, Perusse L. The genetic dissection of human obesity: Illustrations from recent studies. In: Guy-Grand B, Ailhaud G, editors. Progress in Obes Res: 8. Proceedings of the 8th International Congress on Obesity. Paris, France: John Libbey & Company Ltd, 1999. p. 113-22.
- (607) Rankinen T, Gagnon J, Perusse L, Rice T, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bouchard C. Body fat, resting and exercise blood pressure and the angiotensinogen M235T polymorphism: The HERITAGE family study. Obes Res 7:423-30, 1999. PMID: 10509598
- (608) Sun G, Gagnon J, Chagnon YC, Perusse L, Despres J-P, Leon AS, Wilmore JH, Skinner JS, Borecki I, Rao DC, Bouchard C. Association and linkage between an insulin-like growth factor-1 gene polymorphism and fat free mass in the HERITAGE family study. Int J Obes 23:929-35, 1999. PMID: 10490798
- (609) Pritchard J, Despres J-P, Gagnon J, Tchernof A, Nadeau A, Tremblay A, and Bouchard C. Plasma adrenal, gonadal, and conjugated steroids following long-term exercise-induced negative energy balance in identical twins. Metabolism 48:1120-7, 1999. PMID: 10484051
- (610) Vaisanen SB, Humphries SE, Luong L-A, Penttilä I, Bouchard C, and Rauramaa R. Regular exercise, plasminogen activator inhibitor-1 (PAI-1) activity and the 4G/5G promoter polymorphism in the PAI-1 gene. Thromb Haemost 82:1117-20, 1999. PMID: 10494774



- (611) Vohl M-C, Lamarche B, Pascot A, Leroux G, Prud'homme D, Bouchard C, Nadeau A, Despres J-P. Contribution of the cholesteryl ester transfer protein gene TaqIB polymorphism to the reduced plasma HDL-cholesterol levels found in abdominal obese men with the features of the insulin resistance syndrome. Int J Obes 23:918-25, 1999. PMID: 10490796
- (612) Pascot A, Lemieux S, Lemieux I, Prud'homme D, Tremblay A, Bouchard C, Nadeau A, Couillard C, Tchernof A, Bergeron J, and Despres J-P. Age-related increase in visceral adipose tissue and body fat and the metabolic risk profile of premenopausal women. Diabetes Care 22:1471-8, 1999. PMID: 10480511
- (613) Rice T, Hong Y, Perusse L, Despres J-P, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C, Rao DC. Total body fat and abdominal visceral fat response to exercise training in the HERITAGE Family Study: Evidence for major locus but no multifactorial effects. Metabolism 48:1278-86, 1999. PMID: 10535391
- (614) Lemieux I, Pascot A, Tchernof A, Bergeron J, Prud'homme D, Bouchard C, Despres J-P. Visceral adipose tissue and low-density lipoprotein particle size in middle-aged versus young men. Metabolism 48:1322-7, 1999. PMID: 10535398
- (615) Skinner JS, Wilmore KM, Jaskolska A, Jaskolski A, Daw EW, Rice T, Gagnon J, Leon AS, Wilmore JH, Rao DC, Bouchard C. Reproducibility of maximal exercise test data in the HERITAGE Family Study. Med Sci Sports Exerc 31:1623-8, 1999. PMID: 10589867
- (616) Katzmarzyk PT, Perusse L, Rao DC, Bouchard C. Spousal resemblance and risk of 7-year increases in obesity and central adiposity in the Canadian population. Obes Res 7:545-51, 1999. PMID: 10574512
- (617) Bouchard C, Blair SN. Introductory comments for the consensus on physical activity and obesity. Med Sci Sports Exerc 31:S498-S501, 1999. PMID: 10593518
- (618) Rankinen T, Kim S-Y, Perusse L, Despres J-P, Bouchard C. The prediction of abdominal visceral fat level from body composition and anthropometry: ROC analysis. Int J Obes 23:801-9, 1999. PMID: 10490780
- (619) Couillard C, Bergeron N, Prud'homme D, Bergeron J, Tremblay A, Bouchard C, Mauriege P, Despres J-P. Gender Difference in Postprandial Lipemia Importance of Visceral Adipose Tissue Accumulation. Arterioscler Thromb Vasc Biol 19:2448-55, 1999. PMID: 10521375
- (620) Katzmarzyk PT, Malina RM, Bouchard C. Physical activity, physical fitness, and coronary heart disease risk factors in youth: The Quebec Family Study. Prev Med 29:555-62, 1999. PMID: 10600437
- (621) Bouchard C. Physical Inactivity. Can J Cardiol 15: 89G-92G 1999. PMID: 10692665

- (622) Reeder B, Bouchard C. Obesity and cardiovascular diseases. Can J Cardiol 15: 69G-72G 1999. PMID: 10692661
- (623) Skinner JS, Wilmore KM, Krasnoff JB, Jaskolski A, Jaskolska A, Gagnon J, Province MA, Leon AS, Rao DC, Wilmore JH, Bouchard C. Adaptation to a standardized training program and changes in fitness in a large heterogeneous population: the HERITAGE Family Study. Med Sci Sports Exerc 32:157-61, 2000. PMID: 10647543
- (624) Rankinen T, Perusse L, Borecki I, Chagnon YC, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bouchard C. The Na<sup>+</sup>-K<sup>+</sup>-ATPase  $\alpha$ 2 gene and trainability of cardiorespiratory endurance: the HERITAGE Family Study. J Appl Physiol 88:346-51, 2000. PMID: 10642400
- (625) Bouchard C, Rankinen T, Chagnon YC, Rice T, Perusse L, Gagnon J, Borecki I, An P, Leon AS, Skinner JS, Wilmore JH, Province M, Rao DC. Genomic scan for maximal oxygen uptake and its response to training in the HERITAGE Family Study. J Appl Physiol 88:551-9, 2000. PMID: 10658022
- (626) An P, Rice T, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C, Rao DC. Cross-Trait Familial Resemblance for Resting Blood Pressure and Body Composition and Fat Distribution: The HERITAGE Family Study. Amer J Hum Biol 12:32-41, 2000. PMID: 11534002
- (627) Dionne I, Almeras N, Bouchard C, Tremblay A. The association between vigorous physical activities and fat deposition in male adolescents. Med Sci Sports Exerc 32:392-5, 2000. PMID: 10694122
- (628) Chagnon YC, Borecki IB, Perusse L, Roy S, Lacaille M, Chagnon M, Ho-Kim MA, Rice T, Province MA, Rao DC, Bouchard C. Genome-Wide Search for Genes Related to the Fat-Free Body Mass in the Quebec Family Study. Metabolism 49:203-7, 2000. PMID: 10690945
- (629) Chagnon YC, Perusse L, Weisnagel SJ, Rankinen T, Bouchard C. The Human Obesity Gene Map: The 1999 Update. Obes Res 8:89-117, 2000. PMID: 10678263
- (630) Rankinen T, Perusse L, Gagnon J, Chagnon YC, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bouchard C. Angiotensin-converting enzyme ID polymorphism and fitness phenotype in the HERITAGE Family Study. J Appl Physiol 88:1029-35, 2000. PMID: 10710400
- (631) An P, Rice T, Gagnon J, Borecki IB, Bergeron J, Despres J-P, Leon AS, Skinner JS, Wilmore JH, Bouchard C, Rao DC. Segregation Analysis of Apolipoproteins A-1 and B-100 Measured Before and After an Exercise Training Program: The HERITAGE Family Study. Arterioscler Thromb Vasc Biol 20:807-14, 2000. PMID: 10712407

- (632) Chagnon YC, Wilmore JH, Borecki IB, Gagnon J, Perusse L, Chagnon M, Collier GR, Leon AS, Skinner JS, Rao DC, Bouchard C. Associations between the Leptin Receptor Gene and Adiposity in Middle-Aged Caucasian Males from the HERITAGE Family Study. J Clin Endocrinol Metab 85:29-34, 2000. PMID: 10634359
- (633) An P, Rice T, Gagnon J, Hong Y, Leon AS, Skinner JS, Wilmore JH, Bouchard C, Rao DC. A genetic study of dehydroepiandrosterone sulfate measured before and after a 20-week endurance exercise training program: The HERITAGE Family Study. Metabolism 49:298-304, 2000. PMID: 10726904
- (634) Katzmarzyk P, Perusse L, Rao DC, Bouchard C. Familial risk ratios for high and low physical fitness levels in the Canadian population. Med Sci Sports Exer 32:614-9, 2000. PMID: 10731003
- (635) Sun G, Chagnon M, Bouchard C. A common polymorphism in the human insulin-like growth factor binding protein 3 gene. Mol Cell Probes 14:55-56, 2000. PMID: 10722794
- (636) Couillard C, Gagnon J, Bergeron J, Leon AS, Rao DC, Skinner JS, Wilmore JH, Despres J-P, Bouchard C. Contribution of Body Fatness and Adipose Tissue Distribution to the Age Variation in Plasma Steroid Hormone Concentrations in Men: The HERITAGE Family Study. J Clin Endocrinol Metab 85:1026-31, 2000. PMID: 10720034
- (637) Hong Y, Despres J-P, Rice T, Nadeau A, Province MA, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C, Rao DC. Evidence of Pleiotropic Loci for Fasting Insulin, Total Fat Mass, and Abdominal Visceral Fat in a Sedentary Population: The HERITAGE Family Study. Obes Res 8:151-9, 2000. PMID: 10757201
- (638) Perusse L, Rice T, Province MA, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bouchard C. Familial Aggregation of Amount and Distribution of Subcutaneous Fat and Their Responses to Exercise Training in the HERITAGE Family Study. Obes Res 8:140-50, 2000. PMID: 10757200
- (639) Ukkola, O, Tremblay A, Despres J-P, Chagnon YC, Campfield LA, and Bouchard C. Leptin Receptor GLN223Arg Variant is Associated with a Cluster of Metabolic Abnormalities in Response to Long-Term Overfeeding. J Intern Med 248: 435-39, 2000. PMID: 11123508.
- (640) Garenc C, Perusse L, Gagnon J, Chagnon YC, Bergeron J, Despres J-P, Province MA, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bouchard C. Linkage and Association Studies of the Lipoprotein Lipase Gene with Postheparin Plasma Lipase Activities, Body Fat and Plasma Lipid and Lipoprotein Concentrations: The HERITAGE Family Study. Metabolism 49:432-9, 2000. PMID: 10778864
- (641) Katzmarzyk PT, Malina RM, Perusse L, Rice T, Province MA, Rao DC, Bouchard C. Familial Resemblance in Fatness and Fatness Distribution. Am J Hum Biol 12:395-404, 2000. PMID: 11534030

- (642) Leon AS, Rice T, Mandel S, Despres J-P, Bergeron J, Gagnon J, Rao DC, Skinner JS, Wilmore JH, Bouchard C. Blood Lipid Response to 20 weeks of Supervised Exercise in a Large Biracial Population: The HERITAGE Family Study. Metabolism 49:513-20, 2000. PMID: 10778878
- (643) Bouchard C, editor. *Physical Activity and Obesity*. Champaign, IL: Human Kinetics, 2000.
- (644) Rosmond R, Chagnon YC, Holm G, Chagnon M, Perusse L, Lindell K, Carlsson B, Bouchard C, and Bjorntorp P. A Glucocorticoid Receptor Gene Marker is Associated with Abdominal Obesity, Leptin, and Dysregulation of the Hypothalamic-Pituitary-Adrenal Axis. Obes Res 8:211-8, 2000. PMID: 10832763
- (645) An P, Rice T, Perusse L, Borecki IB, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C, and Rao DC. Complex Segregation Analysis of Blood Pressure and Heart Rate Measured Before and After a 20-Week Endurance Exercise Training Program: the HERITAGE Family Study. Am J Hypertension 13:488-97, 2000. PMID: 10826399
- (646) Rosmond R, Chagnon YC, Holm G, Chagnon M, Perusse L, Lindell, K, Carlsson B, Bouchard C. Bjorntorp P. Hypertension in obesity and the leptin receptor gene locus. J Clin Endocrinol Metab 85:3126-31, 2000. PMID: 10999797
- (647) Rice T, Rankinen T, Province MA, Chagnon YC, Perusse L, Borecki IB, Bouchard C, Rao DC. Genome-Wide Linkage Analysis of Systolic and Diastolic Blood Pressure, The Quebec Family Study. Circulation 102:1956-63 2000. PMID: 11034945
- (648) Rankinen T, Wolfarth B, Simoneau J-A, Maier-Lenz D, Rauramaa R, Rivera MA, Boulay MR, Chagnon YC, Perusse L, Keul J, Bouchard C. No association between the angiotensin-converting enzyme ID polymorphism and elite endurance athlete status. J Appl Physiol 88:1571-5, 2000. PMID: 10797114
- (649) Rosmond R, Ukkola O, Chagnon M, Bouchard C, Bjorntorp P. Polymorphisms of the  $\alpha$ 2-adrenergic receptor gene (ADRB2) in relation to cardiovascular risk factors in men. J Intern Med 248:239-44, 2000. PMID: 10971791
- (650) Bouchard C. Attività fisica. In: L'Universo Del Corpo, Estratto Dal Volume II, pp 379-386. Fitness. Estratto Dal Volume III, pp 598-600. Enciclopedia Italiana, Istituto Della, Fondata Da Giovanni Treccani, 1999.
- (651) Rankinen T, Gagnon J, Perusse L, Chagnon YC, Rice T, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bouchard C. AGT M235T and ACE ID polymorphisms and exercise blood pressure in the HERITAGE Family Study. Am J Physiol Heart Circ Physiol 279: H368-74, 2000. PMID: 10899077

- (652) Couillard C, Mauriege P, Imbeault P, Prud'homme D, Nadeau A, Tremblay A, Bouchard C, Despres J-P. Hyperleptinemia is more closely associated with adipose cell hypertrophy than with adipose tissue hyperplasia. Int J Obes 24:782-8, 2000. PMID: 10878687
- (653) Katzmarzyk PT, Perusse L, Rao DC, Bouchard C. Familial Risk of Overweight and Obesity in the Canadian Population Using the WHO/NIH Criteria. Obes Res 8:194-7, 2000. PMID: 10757206
- (654) Katzmarzyk P, Perusse L, Rice T, Gagnon J, Skinner JS, Wilmore JH, Leon AS, Rao DC, Bouchard C. Familial resemblance for coronary heart disease risk: The HERITAGE Family Study. Ethn Dis 10: 138-47, 2000. PMID: 10892820
- (655) Bouchard C. Introduction. In: Bouchard C, editor. *Physical Activity and Obesity*. Champaign, IL: Human Kinetics, 2000. p. 3-20.
- (656) Wolfarth B, Rivera MA, Oppert JM, Boulay MR, Dionne FT, Chagnon M, Gagnon J, Chagnon YC, Perusse L, Keul J, Bouchard C. A polymorphism in the alpha<sub>2a</sub> adrenoceptor gene and endurance athlete status. Med Sci Sports Exerc 32:1709-12, 2000. PMID: 11039642
- (657) Rosmond R, Chagnon YC, Chagnon M, Perusse L, Bouchard C, Bjorntorp P. A Polymorphism of the 5'-flanking region of the glucocorticoid receptor gene locus is associated with basal cortisol secretion in men. Metabolism 49:1197-9, 2000. PMID: 11016903
- (658) Rauramaa R, Vaisanen SB, Kuhanen R, Penttila I, Bouchard C. The Rsai Polymorphism in the  $\alpha$ -fibrinogen Gene and Response of Plasma Fibrinogen to Physical Training. Thromb Haemost 83:803-6, 2000. PMID: 10896228
- (659) Despres JP, Couillard C, Gagnon J, Bergeron J, Leon AS, Rao DC, Skinner JS, Wilmore JH, Bouchard C. Race, Visceral Adipose Tissue, Plasma Lipids, and Lipoprotein Lipase Activity in Men and Women. The Health, Risk Factors, Exercise Training, and Genetics (HERITAGE) Family Study. Arterioscler Thromb Vasc Biol 20:1932-8, 2000. PMID: 10938014
- (660) Katzmarzyk PT, Rankinen T, Perusse L, Malina RM, Bouchard C. 7-Year Stability of Blood Pressure in the Canadian Population. Prev Med 31: 403-9, 2000. PMID: 11006066
- (661) Hong Y, Rice T, Gagnon J, Perusse L, Province M, Bouchard C, Leon AS, Skinner JS, Wilmore JH, Rao DC, Despres JP. Familiality of triglyceride and LPL response to exercise training: the HERITAGE Study. Med Sci Sports Exerc 32:1438-44, 2000. PMID: 10949010
- (662) Perusse L, Chagnon YC, Bouchard C. Etiology and Genetics of Massive Obesity. In: Deitel M, Cowan GSM Jr. Update: Surgery for the Morbidly Obese Patient Toronto, Canada: FD-Communications Inc. 2000. p 1-12.

- (663) Stanforth PR, Gagnon J, Rice T, Bouchard C, Leon AS, Rao DC, Skinner JS, Wilmore JH. Reproducibility of Resting Blood Pressure and Heart Rate Measurements: The HERITAGE Family Study. Ann Epidemiol 10: 271-77, 2000. PMID: 10942874
- (664) An P, Rice T, Borecki IB, Perusse L, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C, Rao DC. Major Gene Effect on Subcutaneous Fat Distribution in a Sedentary Population and Its Response to Exercise Training: The HERITAGE Family Study. Am J Hum Biol 12: 600-9, 2000. PMID: 11534052
- (665) An P, Rice T, Gagnon J, Hong Y, Leon AS, Skinner JS, Wilmore JH, Bouchard C, Rao DC. A Genetic Study of Sex Hormone-Binding Globulin Measured Before and After a 20-Week Endurance Exercise Training Program: The HERITAGE Family Study. Metabolism 49:1014-20, 2000. PMID: 10954019
- (666) Ukkola O, Rankinen T, Weisnagel SJ, Sun G, Perusse L, Chagnon YC, Despres JP, Bouchard C. Interactions Among the  $\alpha$ 2-,  $\alpha$ 2-, and  $\alpha$ 3-Adrenergic Receptor Genes and Obesity-Related Phenotypes in the Quebec Family Study. Metabolism 49:1063-70, 2000. PMID: 10954027
- (667) Katzmarzyk PT, Perusse L, Tremblay A, Bouchard C. No association between resting metabolic rate or respiratory exchange ratio and subsequent changes in body mass and fatness: 5 ½ year follow up of the Quebec Family Study. Eur J Clin Nutr 54:610-4, 2000. PMID: 10951508
- (668) Rankinen T, Hietanen E, Vaisanen S, Lehtio M, Penttila I, Bouchard C, Rauramaa R. Relationship between Lipid Peroxidation and Plasma Fibrinogen in Middle-Aged Men. Thromb Res 99:453-9, 2000. PMID: 10973673
- (669) York D and Bouchard C. How Obesity Develops: Insights from the New Biology. Endocrine 13: 143-54, 2000. PMID: 11186216
- (670) Rice T, Rao R, Perusse L, Bouchard C and Rao DC. Tracking of Familial Resemblance for Resting Blood Pressure over Time in the Quebec Family Study. Hum Biol 72:415-31, 2000. PMID: 10885188
- (671) Doucet E, St-Pierre S, Almeras N, Mauriege P, Despres JP, Richard D, Bouchard C and Tremblay A. Fasting insulin levels influence plasma leptin levels independently from the contribution of adiposity: evidence from both a cross-sectional and an intervention study. J Clin Endocrinol Metab 85: 4231-7, 2000. PMID: 11095459
- (672) Perusse L and Bouchard C. Gene-diet interactions in obesity. Am J Clin Nutr 72: 1285S-90S, 2000. PMID: 11063470
- (673) Rankinen T, Rice T, Perusse L, Chagnon YC, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. NOS3 Glu298Asp Genotype and Blood Pressure Response

- to Endurance Training the Heritage Family Study. Hypertension 36:885-9, 2000. PMID: 11082161
- (674) Bouchard C. Clinical Implications of Basic Research: Inhibition of Food Intake by Inhibitors of Fatty Acid Synthase. N Eng J Med 343: 1888-9, 2000. PMID: 11117983
- (675) Eisenmann JC, Katzmarzyk PT, Theriault G, Song TMK, Malina RM, Bouchard C. Cardiac dimensions, physical activity, and submaximal working capacity in youth of the Quebec Family Study. Eur J Appl Physiol 81:40-6, 2000. PMID: 10552265
- (676) Lemieux I, Couillard C, Pascot A, Bergeron N, Prud'homme D, Bergeron J, Tremblay A, Bouchard C, Mauriege P, Despres JP. The Small, Dense LDL Phenotype as a Correlate of Postprandial Lipemia in Men. Atherosclerosis, 153: 424-32, 2000. PMID: 11164432
- (677) An P, Rice T, Gagnon J, Leon AS, Skinner JS, Bouchard C, Rao DC, Wilmore JH. Familial aggregation of stroke volume and cardiac output during submaximal exercise: The HERITAGE Family Study. Int J Sports Med 21: 566-72, 2000. PMID: 11156276
- (678) Ravussin E and Bouchard C. Human genomics and obesity: finding appropriate drug targets. Eur J Pharmacol 410: 131-45, 2000. PMID: 11134665
- (679) Rauramaa R, Vaisanen SB, Luong L-A, Schmidt-Trucksass A, Penttila IM, Bouchard C, Toyry J, and Humphries SE. Stromelysin-1 and interleukin-6 gene promoter polymorphisms are determinants of asymptomatic carotid artery atherosclerosis. Arterioscler Thromb Vasc Biol 20(12): 2657-62, Dec 2000. PMID: 11116068
- (680) Couillard C, Bergeron N, Bergeron J, Pascot A, Mauriege P, Tremblay, A, Prud'homme D, Bouchard C, and Despres JP. Metabolic heterogeneity underlying postprandial lipemia among men with low fasting high density lipoprotein cholesterol concentrations. J Clin Endocrinol Metab Vol 85, No 12:4575-4582, 2000. PMID: 11134111
- (681) Katzmarzyk PT, Malina RM, Perusse L, Rice T, Province MA, Rao DC, and Bouchard C. Familial resemblance for physique: heritabilities for somatotype components. Ann Hum Biol Vol 27, No 5:467-477, 2000. PMID: 11023117
- (682) Huuskonen J, Vaisanen SB, Kroger H, Jurvelin C, Bouchard C, Alhava E, and Rauramaa R. Determinants of bone mineral density in middle aged men: A population-based study. Osteoporos Int 11:702-708, 2000. PMID: 11095174
- (683) Bray G and Bouchard C. Obesita. L'Universo del Corpo. Istituto della Enciclopedia Italiana, Fondata da Giovanni Treccani, p 650-7, 2000.
- (684) Bouchard C, Wolfarth B, Rivera MA, Gagnon J and Simoneau JA. Genetic Determinants of Endurance Performance. In: Shephard RJ and Astrand P-O, editors. Endurance in Sport. London, UK: Blackwell Science Ltd., 2000. pgs 223-42.

- (685) Larose M, Bouchard C, and Chagnon YC. A new gene related to human obesity identified by suppression subtractive hybridization. Int J Obes 25:770-6, 2001. PMID: 11439288
- (686) Wilmore JH, Stanforth PR, Gagnon J, Rice T, Mandel S, Leon AS, Rao DC, Skinner JS, and Bouchard C. Cardiac output and stroke volume changes with endurance training: the HERITAGE Family Study. Med Sci Sports Exerc. 33(1):99-106, 2001. PMID: 11194119
- (687) Wilmore JH, Stanforth PR, Gagnon J, Rice T, Mandel S, Leon AS, Rao DC, Skinner JS, and Bouchard C. Heart rate and blood pressure changes with endurance training: the HERITAGE Family Study. Med Sci Sports Exerc. 33(1):107-16, 2001. PMID: 11194095
- (688) Campbell PT, Katzmarzyk PT, Malina RM, Rao DC, Perusse L, Bouchard C. Prediction of physical activity and PWC150 in young adulthood from childhood and adolescence with consideration of parental measures. Am J Hum Biol 13:190-6, 2001. PMID: 11460863
- (689) Ukkola O, Perusse L, Weisnagel SJ, Bergeron J, Despres J-P, Rao DC, and Bouchard C. Interactions Among the Glucocorticoid Receptor, Lipoprotein Lipase and Adrenergic Receptor Genes and Plasma Insulin and Lipid Levels in the Quebec Family Study. Metabolism 50:246-52, 2001. PMID: 11229437
- (690) Rivera MA, Echegaray M, Rankinen T, Perusse L, Rice T, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Angiotensin gene-race interaction for resting and exercise BP phenotypes: the HERITAGE Family Study. J Appl Physiol 90:1232-8, 2001. PMID: 11247919
- (691) Yoshioka M, Doucet E, St-Pierre S, Almeras N, Richard D, Labrie A, Despres JP, Bouchard C, and Tremblay A. Impact of high-intensity exercise on energy expenditure, lipid oxidation and body fatness. Int J Obes 25:332-9, 2001. PMID: 11319629
- (692) Katzmarzyk P, Perusse L, Malina RM, Bergeron J, Despres JP, and Bouchard C. Stability of indicators of the metabolic syndrome from childhood and adolescence to young adulthood: the Quebec Family Study. J Clin Epidemiol 54:190-5, 2001. PMID: 11166535
- (693) Perusse L, Rice T, Chagnon YC, Despres JP, Lemieux S, Roy S, Lacaille M, Ho-Kim MY, Chagnon M, Province MA, Rao DC, and Bouchard C. A genome-wide scan for abdominal fat assessed by computed tomography in the Quebec Family Study. Diabetes 50:614-21, 2001. PMID: 11246882
- (694) Weisnagel SJ, Rankinen T, Nadeau A, Rao DC, Chagnon YC, Perusse L, and Bouchard C. Decreased fasting and oral glucose stimulated c-peptide in nondiabetic subjects with sequence variants in the sulfonylurea receptor 1 gene. Diabetes 50:697-702, 2001. PMID: 11246895



- (695) Perusse L, Chagnon YC, Weisnagel SJ, Rankinen T, Snyder E, Sands J, and Bouchard C. The human obesity gene map: the 2000 update. Obes Res Vol 9 No2: 135-65, 2001. PMID: 11316348
- (696) Skinner JS, Jaskolski A, Jaskolska A, Krasnoff J, Gagnon J, Leon, AS, Rao DC, Wilmore JS, and Bouchard C. Age, sex, race, initial fitness, and response to training: the HERITAGE Family Study. J Appl Physiol 90:1770-6, 2001. PMID: 11299267
- (697) Chagnon YC, Rice T, Perusse L, Borecki IB, Ho-Kim MA, Lacaille M, Pare C, Bouchard L, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. Genomic scan for genes affecting body composition before and after training in Caucasians from HERITAGE. J Appl Physiol 90: 1777-87, 2001. PMID: 11299268
- (698) Katzmarzyk PT, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Fitness, fatness, and estimated coronary heart disease risk: the HERITAGE Family Study. Med Sci Sports Exerc Vol 33: 585-90, 2001.
- (699) Perusse L, Gagnon J, Province MA, Rao DC, Wilmore JH, Leon AS, Bouchard C, and Skinner JS. Familial aggregation of submaximal aerobic performance in the HERITAGE Family Study. Med Sci Sports Exerc Vol 33: 597-604, 2001. PMID: 11283436
- (700) Ukkola O. and Bouchard C. Clustering of metabolic abnormalities in obese individuals: the role of genetic factors. Ann Med 33: 79-90, 2001. PMID: 11327119
- (701) Bouchard C. Genetics and maximal oxygen uptake. In: Pedoe, DT, editor. Marathon Medicine. London, UK: Royal Society of London Press Limited publisher, 2000. p 86-97.
- (702) Rosmond R, Chagnon M, Bouchard C and Bjorntorp P. G-308A polymorphism of the tumor necrosis factor  $\alpha$  gene promoter and salivary cortisol secretion. J Clin Endocrinol Metab, 86, No.5:2178-80, 2001. PMID: 11344223
- (703) Wauters M, Mertens I, Chagnon M, Rankinen T, Considine RV, Chagnon YC, Van Gaal, LF and Bouchard C. Polymorphisms in the leptin receptor gene, body composition and fat distribution in overweight and obese women. Int J Obes 25:714-720, 2001. PMID: 11360155
- (704) Bouchard C. Physical activity and health: introduction to the dose-response symposium. Med Sci Sports Exerc 33:6 (Suppl) S347-50, 2001. PMID: 11427758
- (705) Bouchard C and Rankinen T. Individual differences in response to regular physical activity. Med Sci Sports Exerc 33:6 (Suppl): S446-51, 2001. PMID: 11427769
- (706) Rankinen T, Perusse L, Rauramaa R, Rivera MA, Wolfarth B, and Bouchard C. The human gene map for performance and health-related fitness phenotypes. Med Sci Sports Exerc 33(6): 855-867, 2001. PMID: 11404647

- (707) Rosmond R, Bouchard C and Bjorntorp P. Tsp509I polymorphism in exon 2 of the glucocorticoid receptor gene in relation to obesity and cortisol secretion: cohort study. BMJ 322: 652-653, 2001. PMID: 11250851
- (708) Garenc C, Perusse L, Rankinen T, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. The Trp4Arg polymorphism of the B3-Adrenergic receptor gene is not associated with training-induced changes in body composition: The HERITAGE Family Study. Obes Res 9(6):337-341, 2001. PMID: 11399779
- (709) Campbell PT, Katzmarzyk PT, Malina RM, Rao DC, Perusse L and Bouchard C. Stability of adiposity phenotypes from childhood and adolescence into young adulthood with contribution of parental measures. Obes Res 9(7):394-400, 2001. PMID: 11445661
- (710) Couillard C, Despres J-P, Lamarche B, Bergeron J, Gagnon J, Leon AS, Rao DC, Skinner JS, Wilmore JH, and Bouchard C. Effects of endurance exercise training on plasma HDL cholesterol levels depend on levels of triglycerides: evidence from men of the HERITAGE Family Study. Arterioscler Thromb Vasc Biol, 21:1226-1232, 2001. PMID: 11451756
- (711) Ukkola O, Rosmond R, Tremblay A and Bouchard C. Glucocorticoid receptor Bcl I variant is associated with an increased atherogenic profile in response to long-term overfeeding. Atherosclerosis 157:221-224, 2001. PMID: 11427224
- (712) Doucet E, St-Pierre S, Almeras N, Despres J-P, Bouchard C, and Tremblay A. Evidence for the existence of adaptive thermogenesis during weight loss. British J Nutr 85:715-723, 2001. PMID: 11430776
- (713) Ukkola O and Bouchard C. Genetic factors and childhood obesity. Annales Nestle 59:59-68, 2001.
- (714) Katzmarzyk P, Rankinen T, Perusse L, Rao DC and Bouchard C. Familial risk of high blood pressure in the Canadian population. Am J Hum Biol 13:620-625, 2001. PMID: 11505470
- (715) An P, Rice T, Gagnon J, Hong Y, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. Race differences in the pattern of familial aggregation for dehydroepiandrosterone sulfate and its responsiveness to training in the HERITAGE Family Study. Metabolism 50(8):916-920, 2001. PMID: 11474479
- (716) Rankinen T, An P, Rice T, Sun G, Chagnon YC, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Genomic scan for exercise blood pressure in the Health Risk Factors, Exercise Training and Genetics (HERITAGE) Family Study. Hypertension, 38:30-37, 2001. PMID: 11463756

- (717) Hong Y, Gagnon J, Rice T, Perusse L, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. Familial resemblance for free androgens and androgen glucuronides in sedentary individuals: the HERITAGE Family Study. J Endocrinol 170(2): 485-492, 2001. PMID: 11479145
- (718) Ukkola O, Ravussin E, Jacobson P, Snyder EE, Chagnon M, Sjostrom L and Bouchard C. Mutations in the preproghrelin/ghrelin gene associated with obesity in humans. J Clin Endocrinol Metab 86(8): 3996-3999, 2001. PMID: 11502844
- (719) Katzmarzyk PT, Leon AS, Rankinen T, Gagnon J, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Changes in blood lipids consequent to aerobic exercise training related to changes in body fatness and aerobic fitness. Metabolism 50(7): 841-848, 2001. 11436192
- (720) Rankinen T, Perusse L, and Bouchard C. Genetic aspects of physical activity, cardiorespiratory fitness and the response to regular exercise. In: Hollman W, Kurz D, and Mester J, editors. Current Results on Health and Physical Activity. Schorndorf, Germany: Verlag Karl Hofmann GmbH & Co., 2001. p. 27-60.
- (721) Katzmarzyk PT, Craig CL and Bouchard C. Underweight, overweight and obesity: relationships with mortality in the 13-year follow-up of the Canada Fitness Survey. J Clin Epidemiol 54:916-920, 2001. PMID: 11520651
- (722) Seidell JC, Perusse L, Despres J-P, and Bouchard C. Waist and hip circumferences have independent and opposite effects on cardiovascular disease risk factors: the Quebec Family Study. Am J Clin Nutr 74:315-21, 2001. PMID: 11522554
- (723) Wauters M, Mertens I, Rankinen T, Chagnon M, Bouchard C and Van Gaal L. Leptin receptor gene polymorphisms are associated with insulin in obese women with impaired glucose tolerance. J Clin Endocrinol Metab 86(7): 3227-3232, 2001. PMID: 11443193
- (724) Garenc C, Perusse L, Bergeron J, Gagnon J, Chagnon YC, Borecki IB, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Evidence of LPL gene-exercise interaction for body fat and LPL activity: the HERITAGE Family Study. J Appl Physiol 91: 1334-1340, 2001. PMID: 11509533
- (725) Hong Y, Weisnagel SJ, Rice T, Sun G, Mandel SA, Gu C, Rankinen T, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bergman RN, Bouchard C and Rao DC. Familial resemblance for glucose and insulin metabolism indices derived from an intravenous glucose tolerance test in Blacks and Whites of the HERITAGE Family Study. Clin Genet 60: 22-30, 2001. PMID: 11531966
- (726) Ravussin E, Tschop M, Morales S, Bouchard C and Heiman ML. Plasma ghrelin concentration and energy balance: overfeeding and negative energy balance studies in twins. J Clin Endocrinol Metab 68(9): 4547-4551, 2001. PMID: 11549706

- (727) Ukkola O, Garenc C, Perusse L, Bergeron J, Despres J-P, Rao DC and Bouchard C. Genetic variation at the lipoprotein lipase locus and plasma lipoprotein and insulin levels in the Quebec Family Study. Atherosclerosis 158: 199-206, 2001. PMID: 11500192
- (728) Ukkola O, Perusse L, Chagnon YC, Despres J-P and Bouchard C. Interactions among the glucocorticoid receptor, lipoprotein lipase and adrenergic receptor genes and abdominal fat in the Quebec Family Study. Int J Obes 25: 1332-1339, 2001. PMID: 11571596
- (729) Rivera MA, Echegaray M, Rankinen T, Perusse L, Rice T, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. TGF- $\beta$ 1 gene-race interactions for resting and exercise blood pressure in the HERITAGE Family Study. J Appl Physiol 91:1808-1813, 2001. PMID: 11568166
- (730) Lanouette C-M, Giacobino J-P, Perusse L, Lacaille M, Yvon C, Chagnon M, Kuhne F, Bouchard C, Muzzin P and Chagnon YC. Association between uncoupling protein 3 gene and obesity-related phenotypes in the Quebec Family Study. Mol Med 7(7): 433-441, 2001. PMID: 11683368
- (731) Rosmond R, Chagnon M, Bouchard C, and Bjorntorp P. A polymorphism in the regulatory region of the corticotropin-releasing hormone gene in relation to cortisol secretion, obesity, and gene-gene interaction. Metabolism 50(9): 1059-1062, 2001. PMID: 11555839
- (732) Rosmond R, Chagnon M, Bouchard C and Bjorntorp P. A missense mutation in the human melanocortin-4 receptor gene in relation to abdominal obesity and salivary cortisol. Diabetologia 44: 1335-1338, 2001. PMID: 11692184
- (733) Ukkola O, Tremblay A, Sun G, Chagnon YC and Bouchard C. Genetic variation at the uncoupling protein 1, 2 and 3 loci and the response to long-term overfeeding. Eur J Clin Nutr 55:1008-1015, 2001. PMID: 11641751
- (734) Rankinen T, Ravussin E and Bouchard C. Determinants of the response to regular physical activity: genetic versus environmental factors. In Handbook of Exercise in Diabetes, N. Ruderman, editor. American Diabetes Association, Alexandria, VA, 2002. p. 135-141.
- (735) An P, Rice T, Gagnon J, Borecki IB, Rankinen T, Gu C, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. Population differences in the pattern of familial aggregation for sex hormone-binding globulin and its response to exercise training: The HERITAGE Family Study. Am J Hum Biol 13:832-837, 2001. PMID: 11748821
- (736) Fortier MD, Katzmarzyk PT, Malina RM and Bouchard C. Seven-year stability of physical activity and musculoskeletal fitness in the Canadian population. Med Sci Sports Exerc, 33(11):1905-1911, 2001. PMID: 11689742

- (737) Gaskill SE, Rice T, Bouchard C, Gagnon J, Rao DC, Skinner JS, Wilmore JH and Leon AS. Familial resemblance in ventilatory threshold: the HERITAGE Family Study. Med Sci Sports Exerc, 33(11): 1832-1840, 2001. PMID: 11689732
- (738) Bouchard C. Genetic influences on body weight. In: CG Fairburn and KD Brownell, editors. Eating Disorders and Obesity. The Guilford Press, New York, NY, 2002. p. 16-21.
- (739) Ukkola O, Tremblay A and Bouchard C. Beta-2 adrenergic receptor variants are associated with subcutaneous fat accumulation in response to long-term overfeeding. Int J Obes 25: 1604-1608, 2001. PMID: 11753578
- (740) Rice T, Perusse L and Bouchard C. Genetics of energy and nutrient intake. In Handbook of Nutrition and Food, CD Berdanier, editor. CRC Press, Boca Raton, FL, 2002. p. 603-620.
- (741) An P, Rosmond R, Borecki IB, Ukkola O, Rice T, Gagnon J, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. Genome-wide linkage scan to detect loci influencing levels of dehydroepiandrosterones in the HERITAGE Family Study. Metabolism, 50(11):1315-1322, 2001. PMID: 11699050
- (742) Wilmore JH, Green JS, Stanforth PR, Gagnon J, Rankinen T, Leon AS, Rao DC, Skinner JS and Bouchard C. Relationship of changes in maximal and submaximal aerobic fitness to changes in cardiovascular disease and non-insulin-dependent diabetes mellitus risk factors with endurance training: The HERITAGE Family Study. Metabolism, 50(11): 1255-1263, 2001. PMID: 11699041
- (743) Katzmarzyk PT, Gledhill N, Perusse L, and Bouchard C. Familial aggregation of 7-year changes in musculoskeletal fitness. J Gerontol, 56A(12): B497-B502, 2001. PMID: 11723141
- (744) Ukkola O, Gagnon J, Rankinen T, Thompson PA, Hong Y, Leon AS, Rao DC, Skinner JS, Wilmore JH and Bouchard C. Age, body mass index, race and other determinants of steroid hormone variability: the HERITAGE Family Study. Eur J Endocrinol 145: 1-9, 2001. PMID: 11415846
- (745) Gaskill SE, Walker AJ, Serfaxx RA, Bouchard C, Gagnon J, Rao DC, Skinner JS, Wilmore JH and Leon AS. Changes in ventilatory threshold with exercise training in a sedentary population: The HERITAGE Family Study. Int J Sports Med 22: 586-592, 2001. PMID: 11719894
- (746) Bergeron J, Couillard C, Despres JP, Gagnon J, Leon AS, Rao DC, Skinner JS, Wilmore JH and Bouchard C. Race differences in the response of postheparin plasma lipoprotein lipase and hepatic lipase activities to endurance exercise training in men: results from the HERITAGE Family Study. Atherosclerosis 159: 399-406, 2001. PMID: 11730820

- (747) Ukkola O, Sun G and Bouchard C. Insulin-like growth factor 2 (IGF2) and IGF-binding protein 1 (IGFBP1) gene variants are associated with overfeeding-induced metabolic changes. Diabetologia 44: 2231-2236, 2001. PMID: 11793026
- (748) Leon AS, Gaskill SE, Rice T, Bergeron J, Gagnon J, Rao DC, Skinner JS, Wilmore JH and Bouchard C. Variability in the response of HDL cholesterol to exercise training in the HERITAGE Family Study. Int J Sports Med 23: 1-9, 2002. PMID: 11774059
- (749) Green JS, Stanforth PR, Gagnon J, Leon AS, Rao DC, Skinner JS, Bouchard C, Rankinen T and Wilmore JH. Menopause, estrogen and training effects on exercise hemodynamics: the HERITAGE study. Med Sci Sports Exerc, 34: 74-82, 2002. PMID: 11782651
- (750) Couillard C, Mauriege P, Prud'homme D, Nadeau A, Tremblay A, Bouchard C, and Despres J-P. Plasma leptin response to an epinephrine infusion in lean and obese women. Obes Res, 10(1):6-13, 2002. PMID: 11786596
- (751) Katzmarzyk PT, Perusse L, Rice T, Rao DC and Bouchard C. Familial aggregation of seven-year changes in blood pressure in Canada. Can J Cardiol 17(12):1267-1274, 2001. PMID: 11773937
- (752) Heo M, Leibel RL, Boyer BB, Chung WK, Koulu M, Karvonen MK, Pesonen U, Rissanen A, Laakso M, Uusitupa MIJ, Chagnon Y, Bouchard C, Donohoue PA, Burns TL, Shuldiner AR, Silver K, Andersen RE, Pedersen O, Echwald S, Sorensen TIA, Behn P, Permutt MA, Jacobs KB, Elston RC, Hoffman DJ and Allison DB. Pooling analysis of genetic data: the association of leptin receptor (LEPR) polymorphisms with variables related to human adiposity. Genetics 159:1163-1178, 2001. PMID: 11729160
- (753) Lanouette C-M, Chagnon YC, Rice T, Perusse L, Muzzin P, Giacobino J-P, Gagnon J, Wilmore JH, Leon AS, Skinner JS, Rao DC and Bouchard C. Uncoupling protein 3 gene is associated with body composition changes with training in HERITAGE study. J Appl Physiol 92:1111-1118, 2002. PMID: 11842047
- (754) Garenc C, Perusse L, Chagnon YC, Rankine T, Gagnon J, Borecki IB, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. The hormone-sensitive lipase gene and body composition: the HERITAGE Family Study. Int J Obes 26: 220-227, 2002. PMID: 11850754
- (755) Tanaka S, Togashi K, Rankinen T, Perusse L, Leon AS, Rao DC, Skinner JS, Wilmore JH and Bouchard C. Is adiposity at normal body weight relevant for cardiovascular disease risk? Int J Obes 26: 176-183, 2002. 11850748
- (756) Rankinen T, Rice T, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. G protein  $\beta 3$  polymorphism and hemodynamic and body composition phenotypes in the HERITAGE Family Study. Physiol Genom 8:151-157, 2002. PMID: 11875193

- (757) Rice T, Chagnon YC, Perusse L, Borecki IB, Ukkola O, Rankinen T, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. A genomewide linkage scan for abdominal subcutaneous and visceral fat in black and white families: The HERITAGE Family Study. Diabetes 51: 848-855, 2002. PMID: 11872690
- (758) Katzmarzyk PT, Hebebrand J and Bouchard C. Spousal resemblance in the Canadian population: implications for the obesity epidemic. Int J Obes 26: 241-246, 2002. PMID: 11850757
- (759) Rankinen T, Perusse L, Weisnagel SJ, Snyder EE, Chagnon YC and Bouchard C. The human obesity gene map: the 2001 update. Obes Res 10(3): 196-243, 2002. PMID: 11886943
- (760) Feitosa MF, Rice T, Rosmond R, Borecki IB, An P, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. A genetic study of cortisol measured before and after endurance training: The HERITAGE Family Study. Metabolism 51(3):360-365, 2002. PMID: 11887174
- (761) Rosmond R, Bouchard C and Bjorntrop P. A C-1291G polymorphism in the  $\alpha 2A$ -adrenergic receptor gene (ADRA2A) promoter is associated with cortisol escape from dexamethasone and elevated glucose levels. J Intern Med 251:252-257, 2002. PMID: 11886485
- (762) Sun G, Ukkola O, Rankinen T, Joannisse DR and Bouchard C. Skeletal muscle characteristics predict body fat gain in response to overfeeding in never-obese young men. Metabolism 51(4): 451-456, 2002. PMID: 11912552
- (763) Rice T, Despres J-P, Perusse L, Hong Y, Province MA, Bergeron J, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. Familial aggregation of blood lipid response to exercise training in the health, risk factors, exercise training and genetics (HERITAGE) Family Study. Circulation 105:1904-1908, 2002. PMID: 11997275
- (764) van Rossum CTM, Hoebee B, Seidell JC, Bouchard C, vanBaak MA, deGroot CPGM, Chagnon M, deGraaf C and Saris WHM. Genetic factors as predictors of weight gain in young adult Dutch men and women. Int J Obes 26(5):517-28, 2002. PMID: 12075579
- (765) Perusse L, Chagnon YC and Bouchard C. The genetics of obesity. In: Baxter JD, Melmed S and New MI, editors. Genetics in Endocrinology. Philadelphia, PA: Lippincott Williams & Wilkins, 2002. p. 275-303.
- (766) Heo M, Leibel RL, Fontaine KR, Boyer BB, Chung WK, Koulu M, Karvonen MK, Pesonen U, Rissanen A, Laasko M, Wwsitupa MIJ, Chagnon Y, Bouchard C, Donohoue PA, Burns TL, Shuldiner AR, Silver K, Andersen RE, Pedersen O, Schwald S, Sorensen TIA, Behn P, Permutt MA, Jacobs KB, Elston RC, Hoffman DJ, Gropp E and Allison DB. A meta-analytic investigation of linkage and association of common leptin receptor

- (LEPR) polymorphisms with body mass index and waist circumference. Int J Obes 26(5):640-6, 2002. PMID: 12032747
- (767) Rice T, Chagnon YC, Borecki IB, Perusse L, Collier G, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. Familial resemblance for plasma leptin: sample homogeneity across adiposity and ethnic groups. Obes Res, 10(5):351-360, 2002. PMID: 12006634
- (768) Wauters M, Considine RV, Chagnon M, Mertens I, Rankinen T, Bouchard C and Van Gaal LF. Leptin levels, leptin receptor gene polymorphisms, and energy metabolism in women. Obes Res 10(5): 394-400, 2002. PMID: 12006639
- (769) Ukkola O, Tremblay A and Bouchard C. Lipoprotein lipase polymorphisms and responses to long-term overfeeding. J Intern Med 251: 429-436, 2002. PMID: 11982743
- (770) Rice T, An P, Gagnon J, Leon AS, Skinner JS, Wilmore, JH, Bouchard C, and Rao DC. Heritability of HR and BP response to exercise training in the HERITAGE Family Study. Med Sci Sports Exerc 34(6): 972-979, 2002. PMID: 12048324
- (771) Rice T, Rankinen T, Chagnon YC, Province MA, Perusse L, Leon AS, Skinner JS, Wilmore JH, Bouchard C, and Rao DC. Genomewide linkage scan of resting blood pressure HERITAGE Family Study. Hypertension 39(6):1037-1043, 2002. PMID: 12052838
- (772) Jackson AS, Stanforth PR, Gagnon J, Rankinen T, Leon AS, Rao DC, Skinner JS, Bouchard C, and Wilmore, JH. The effect of sex, age and race on estimating percentage body fat from body mass index: The Heritage Family Study. Int J Obes 26(6):789-796, 2002. PMID: 12037649
- (773) Togashi K, Masuda H, Rankinen T, Tanaka S, Bouchard C and Hamiya H. A 12-year follow-up study of treated obese children in Japan. Int J Obes 26: 770-777, 2002. PMID: 12037646
- (774) Hunt MS, Katzmarzyk PT, Perusse L, Rice T, Rao DC, and Bouchard C. Familial resemblance of 7-year changes in body mass and adiposity. Obes Res 10:507-517, 2002. PMID: 12055327
- (775) Simonen RL, Perusse L, Rankinen T, Rice T, Rao DC and Bouchard C. Familial aggregation of physical activity levels in the Quebec family study. Med Sci Sports Exerc 34(7): 1137-1142, 2002. PMID: 12131254
- (776) Rosmond R, Bouchard C and Bjorntorp P. Allelic variants in the GABRA6 receptor subunit gene (GABRA6) is associated with abdominal obesity and cortisol secretion. Int J Obes 26: 938-941, 2002. PMID: 12080446
- (777) Rosmond R, Bouchard C and Bjorntorp P. 5-HT2A receptor gene promoter polymorphism in relation to abdominal obesity and cortisol. Obes Res 10:585-589, 2002. PMID: 12105278
- (778) Ukkola O, Rankinen T, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. A genome-wide linkage scan for steroids and SHBG levels in Black and



- White families: The HERITAGE Family Study. J Clin Endocrinol Metab 87: 3708-3720, 2002. PMID: 12161500
- (779) Rankinen T, Perusse L, Rauramaa R, Rivera MA, Wolfarth B and Bouchard C. The human gene map for performance and health-related fitness phenotypes: the 2001 update. Med Sci Sports Exerc, 34(8):1219-1233, 2002. PMID: 12165675
- (780) Rankinen T and Bouchard C. Genetics and blood pressure response to exercise, and its interactions with adiposity. Prev Cardiol. 5:138-144, 2002. PMID: 12091756
- (781) Rankinen T, An P, Perusse L, Rice T, Chagnon YC, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Genome-wide linkage scan for exercise stroke volume and cardiac output in the HERITAGE Family Study. Physiol Genom 10: 57-62, 2002. PMID: 12181362
- (782) Ukkola O, Ravussin E, Jacobson P, Perusse L, Rankinen T, Tschop M, Heiman ML, Leon AS, Rao DC, Skinner JS, Wilmore JH, Sjostrom L and Bouchard C. Role of ghrelin polymorphisms in obesity based on three different studies. Obes Res 10; 782-791, 2002. PMID: 12181387
- (783) Katzmarzyk P, Craig CL and Bouchard C. Adiposity, adipose tissue distribution and mortality rates in the Canada Fitness Survey follow-up study. Int J Obes Relat Metab Disord 26:1054-1059, 2002. PMID: 12119570
- (784) Garenc C, Perusse L, Chagnon YC, Rankinen T, Gagnon J, Borecki IB, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. The alpha2-adrenergic receptor gene and body fat content and distribution: The HERITAGE Family Study. Molec Med 8(2): 88-94, 2002. PMID: 12080184. PMCID: PMC2039973
- (785) Boucher N, Lanouette CM, Larose M, Perusse L, Bouchard C, and Chagnon YC. A +2138InsCAGACC polymorphism of the melanocortin receptor 3 gene is associated in human with fat level and partitioning in interaction with body corpulence. Molec Med 8(3): 158-165, 2002. PMID: 12142547. PMCID: PMC2039979
- (786) Feitosa MF, Gaskill SE, Rice T, Rankinen T, Bouchard C, Rao DC, Wilmore JH, Skinner JS, and Leon AS. Major gene effects on exercise ventilatory threshold: the HERITAGE Family Study. J Appl Physiol 93: 1000-1006, 2002. PMID: 12183496
- (787) Bray GA and Bouchard C. Obesity, Determinants of: Genetic Aspects. In: Smelser NJ and Bates PB, editors. International Encyclopedia of the Social & Behavioral Sciences. Pergamon: Oxford, 2001. pp 10755-10781.
- (788) Argyropoulos G, Rankinen T, Neufeld DR, Rice T, Province MA, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. A polymorphism in the human agouti-related protein is associated with late-onset obesity. J Clin Endocrinol Metab 87: 4198-4202, 2002. PMID: 12213871

- (789) Fortier MD, Katzmarzyk PT and Bouchard C. Physical activity, aerobic fitness, and seven-year changes in adiposity in the Canadian population. Can J Appl Physiol 27(5): 449-462, 2002. PMID: 12429893
- (790) Jacobson P, Ukkola O, Rankinen T, Snyder EE, Leon AS, Rao DC, Skinner JS, Wilmore JH, Lonn L, Cowan Jr GS, Sjostrom L and Bouchard C. Melanocortin 4 receptor sequency variations are seldom a cause of human obesity: The Swedish Obese Subjects, the HERITAGE Family Study, and a Memphis Cohort. J Clin Endocrinol Metab 87: 4442-4446, 2002. PMID: 12364415
- (791) Rauramaa R, Kuhanen R, Lakka TA, Vaisanen SB, Halonen P, Alen M, Rankinen T and Bouchard C. Physical exercise and blood pressure with reference to the angiotensinogen M235T polymorphism. Physiol Genom 10: 71-77, 2002. PMID: 12181364
- (792) Bouchard C. The genetics of human obesity: recent progress. Bulletin et Memoires de l'Academie royale de Medecine de Belgique. 156(10-11-12): 455-464, 2001. PMID: 12371266
- (793) Clasey JL, Weltman A, Patrie J, Weltman JY, Pezzoli S, Bouchard C, Thorner MO and Hartman ML. Abdominal visceral fat and fasting insulin are important predictors of 24-hour GH release independent of age, gender and other physiological factors. J Clin Endocrinol Metab 86: 3845-3852, 2001. PMID: 11502822
- (794) Feitosa MF, Rice T, Rosmond R, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Bouchard C, and Rao DC. Pleiotropic relationships between cortisol levels and adiposity: The HERITAGE Family Study. Obes Res 10:1222-1231, 2002. PMID: 12490666
- (795) Rosmond R, Rankinen T, Chagnon M, Perusse L, Chagnon YC, Bouchard C and Bjorntorp P. Polymorphism in exon 6 of the dopamine D2 receptor gene (DRD2) is associated with elevated blood pressure and personality disorders in men. J Hum Hypertens 15, 553-558, 2001. PMID: 11494094
- (796) Rosmond R, Bouchard C and Bjorntorp P. Lack of association between the uncoupling protein-2 Ala55Val gene polymorphism and phenotypic features of the Metabolic Syndrome. Biochimica et biophysica Acta 1588:103-105, 2002. PMID: 12385772
- (797) Rosmond R, Chagnon M, Bouchard C and Bjorntorp P. Polymorphism in exon 4 of the human 3 $\beta$ -hydroxysteroid dehydrogenase type I gene (HSD3B1) and blood pressure. Biochem Biophys Res Commun 293:629-632, 2002. PMID: 12054649
- (798) Rosmond R, Ukkola O, Bouchard C and Bjorntorp P. Polymorphisms in Exon 3 of the proopiomelanocortin gene in relation to serum leptin, salivary cortisol and obesity in Swedish men. Metabolism 51(5): 642-644, 2002. PMID: 11979399

- (799) Rosmond R, Bouchard C and Bjorntorp P. Association between a variant at the GABAA $\alpha$ 6 receptor subunit gene, abdominal obesity, and cortisol secretion. Ann NY Acad Sci 967: 566-570, 2002. PMID: 12079890
- (800) Rosmond R, Bouchard C and Bjorntorp P. Increased abdominal obesity in subjects with a mutation in the 5-HT<sub>2A</sub> receptor gene promoter. Ann NY Acad Sci 967:571-575, 2002. PMID: 12079891
- (801) Feitosa MF, Borecki IB, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. Lack of pleiotropic genetic effects between adiposity and sex hormone-binding globulin concentrations before and after 20 weeks of exercise training: The HERITAGE Family Study. Metabolism, 52(1): 35-41, 2003. PMID: 12524660
- (802) Weltman A, Despres JP, Clasey JL, Weltman JY, Wideman L, Kanaley J, Patrie J, Bergeron J, Thorner MO, Bouchard C and Hartman, ML. Impact of abdominal visceral fat, growth hormone, fitness, and insulin on lipids and lipoproteins in older adults. Metabolism, 52(1) 73-80, 2003. PMID: 12524665
- (803) An P, Perusse L, Borecki IB, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. Familial aggregation of exercise heart rate and blood pressure in response to 20 weeks of endurance training: The HERITAGE Family Study. Int J Sports Med 24: 57-62, 2003. PMID: 12582953
- (804) An P, Hong Y, Weisnagel SJ, Rice T, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Chagnon YC, Bergman RN, Bouchard C and Rao DC. Genomic scan of glucose and insulin metabolism phenotypes: The HERITAGE Family Study. Metabolism, 52(2): 246-253, 2003. PMID: 12601641
- (805) Argyropoulos G, Rankinen T, Bai F, Rice T, Province MA, Leon As, Skinner JS, Wilmore JH, Rao DC and Bouchard C. The agouti-related protein and body fatness in humans. Int J Obes, 27:276-280, 2003. PMID: 12587010
- (806) Chagnon YC, Rankinen T, Snyder EE, Weisnagel SJ, Perusse L, and Bouchard C. The human obesity gene map: The 2002 update. Obes Res 11(3): 313-367, 2003. PMID: 12634430
- (807) Rosmond R, Chagnon M and Bouchard C. The Pro12Ala PPAR $\gamma$ 2 gene missense mutation is associated with obesity and insulin resistance in Swedish middle-aged men. Diabetes Metab Res Rev 19: 159-163, 2003. PMID: 12673785
- (808) Ukkola O, Rankinen T, Rice T, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. Interactions among the  $\beta$ 2- and  $\beta$ 3- adrenergic receptor genes and total body fat and abdominal fat level in the HERITAGE Family Study. Int J Obes 27: 389-393, 2003. PMID: 12629568

- (809) Lakka TA, Rankinen T, Weisnagel SJ, Chagnon YC, Rice T, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. A quantitative trait locus on 7q31 for the changes in plasma insulin in response to exercise training. Diabetes 52:1583-1587, 2003. PMID: 12765975
- (810) Allison DB, Miller RA, Austad SN, Bouchard C, Leibel R, Klebanov S, Johnson T, and Harrison DE. Genetic variability in response to caloric restriction in animals and in regulation of metabolism and obesity in humans. J Gerontol 56A (Special Issue): 55-65, 2001. PMID: 12088213
- (811) Boule NG, Tremblay A, Gonzalez-Barranco J, Aguilar-Salinas CA, Lopez-Alvarenga JC, Despres JP, Bouchard C, Gomez-Perez FJ, Castillo-Martinez L and Rios-Torres JM. Insulin resistance and abdominal adiposity in young men with documented malnutrition during the first year of life. Int J Obes 27: 598-604, 2003. PMID: 12704409
- (812) Ukkola O, Joannisse DR, Tremblay A and Bouchard C. Na<sup>+</sup>-K<sup>+</sup>-ATPase  $\alpha$ 2-gene and skeletal muscle characteristics in response to long-term overfeeding. J Appl Physiol 94: 1870-1874, 2003. PMID: 12496141
- (813) Bosse Y, Perusse L, Despres J-P, Lamarche B, Chagnon YC, Rice T, Rao DC, Bouchard C and Vohl M-C. Evidence for a major quantitative trait locus on chromosome 17q21 affecting low-density lipoprotein peak particle diameter. Circulation 107: 2361-2368, 2003. PMID: 12732599
- (814) Garenc C, Perusse L, Chagnon YC, Rankinen T, Gagnon J, Borecki IB, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Effects of  $\beta$ 2-adrenergic receptor gene variants on adiposity: The HERITAGE Family Study. Obes Res 11(5):612-618, 2003. PMID: 12740450
- (815) Imbeault P, Prins JB, Stolic J, Russell AW, O'Moore-Sullivan T, Despres J-P, Bouchard C and Tremblay A. Aging per se does not influence glucose homeostasis. Diabetes Care 26:480-484, 2003. PMID: 12547885
- (816) Rosmond R, Chagnon M, Bouchard C and Bjorntorp P. Increased abdominal obesity, insulin and glucose levels in nondiabetic subjects with a T29C polymorphism of the transforming growth factor- $\beta$ 1 gene. Horm Res 59: 191-194, 2003. PMID: 12649573
- (817) Simonen RL, Rankinen T, Perusse L, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. A dopamine D2 receptor gene polymorphism and physical activity in two family studies. Physiol Behav 78: 751-757, 2003. PMID: 12782232
- (818) Jacqmain M, Doucet E, Despres J-P, Bouchard C and Tremblay A. Calcium intake, body composition, and lipoprotein-lipid concentrations in adults. Am J Clin Nutr 77:1448-1452, 2003. PMID: 12791622

- (819) Katzmarzyk PT, Tremblay A, Perusse L, Despres J-P and Bouchard C. The utility of the international child and adolescent overweight guidelines for predicting coronary heart disease risk factors. J Clin Epidemiol 56: 456-462, 2003. PMID: 12812820
- (820) Doucet E, Imbeault P, St-Pierre S, Almeras N, Mauriege P, Despres J-P, Bouchard C and Tremblay A. Greater than predicted decrease in energy expenditure during exercise after body weight loss in obese men. Clin Sci; 105: 89-98, 2003. PMID: 12617720
- (821) Drapeau V, Provencher V, Lemieux, Despres J-P, Bouchard C and Tremblay A. Do 6-y changes in eating behaviors predict changes in body weight? Results from the Quebec Family Study. Int J Obes 27: 808-814, 2003. PMID: 12821966
- (822) Bosse Y, Despres J-P, Bouchard C, Perusse L and Vohl M-C. The peroxisome proliferator-activated receptor  $\alpha$  L162V mutation is associated with reduced adiposity. Obes Res 11:809-816, 2003. PMID: 12855749
- (823) Perusse L, Rankinen T, Rauramaa R, Rivera MB, Wolfarth B, and Bouchard C. The Human Gene Map for Performance and Health-Related Fitness Phenotypes: The 2002 Update. Med Sci Sports Exerc. 35(8): 1248-1264, 2003. PMID: 12900676
- (824) Rico-Sanz J, Rankinen T, Joannis DJ, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. Associations between cardiorespiratory responses to exercise and the C34T *AMPD1* gene polymorphism in the HERITAGE Family study. Physiol Genom, 14: 161-166, 2003. PMID: 12783984
- (825) Tremblay A, Bouchard L, Bouchard C, Despres J-P, Drapeau V and Perusse L. Long-term adiposity changes are related to a glucocorticoid receptor polymorphism in young females. J Clin Endocrinol Metab 88: 3141-3145, 2003. PMID: 12843156
- (826) Bouchard C. Genetic advances and their implications for sports performance. In: Malina RM and Clark MA, editors. Youth Sports – Perspectives for a New Century. Coaches Choice, Monterey, CA, 2003. Pgs 101-108.
- (827) Eisenmann JC, Katzmarzyk PT, Perusse L, Bouchard C and Malina RM. Estimated daily energy expenditure and blood lipids in adolescents: The Quebec Family Study. J Adoles Health 33:147-153, 2003. PMID: 12944004
- (828) Ukkola O, Chagnon M, Tremblay and Bouchard C. Genetic variation at the adipsin locus and response to long-term overfeeding. Eur J Clin Nutr 57:1073-1078, 2003. PMID: 12947425
- (829) An P, Borecki IB, Rankinen T, Perusse L, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. Evidence of major genes for exercise heart rate and blood pressure at baseline and in response to 20 weeks of endurance training: The HERITAGE Family Study. Int J Sports Med 24: 492-498, 2003. PMID: 12968206

- (830) Rankinen T, Rice T, Boudreau A, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Titin is a candidate gene for stroke volume response to endurance training: the HERITAGE Family Study. Physiol Genom 15: 27-33, 2003. PMID: 12865504
- (831) Simonen RL, Rankinen T, Perusse L, Rice T, Rao DC, Chagnon Y and Bouchard C. Genome-wide linkage scan for physical activity levels in the Quebec Family Study. Med Sci Sports Exerc 35(8): 1355-1359, 2003. PMID: 12900690
- (832) Perusse L, Chagnon YC and Bouchard C. Genome-wide scan studies of obesity-related phenotypes in the Quebec and HERITAGE Family Studies. In: G. Medeiros-Neto, A Halpern and C. Bouchard, editors. Progress in Obes Res: 9. Proceedings of the 9th International Congress on Obesity, Sao Paulo, Brazil: John Libbey & Company Ltd, 2003. p. 333-337.
- (833) G. Medeiros-Neto, A Halpern and C. Bouchard, editors. Progress in Obes Res: 9. Proceedings of the 9th International Congress on Obesity. Sao Paulo, Brazil: John Libbey & Company Ltd, 2003.
- (834) Katzmarzyk PT, Despres J-P and Bouchard C. Body types and health. In: G. Medeiros-Neto, A Halpern and C. Bouchard, editors. Progress in Obes Res: 9. Proceedings of the 9th International Congress on Obesity, Sao Paulo, Brazil: John Libbey & Company Ltd, 2003. p. 644-648.
- (835) Bouchard C. Overview of the genetic susceptibility to obesity. In: G. Medeiros-Neto, A Halpern and C. Bouchard, editors. Progress in Obes Res: 9. Proceedings of the 9th International Congress on Obesity, Sao Paulo, Brazil: John Libbey & Company Ltd, 2003. p. 989-993.
- (836) Ukkola O, Ravusssin E, Jacobson P, Sjostrom L and Bouchard C. Mutations in the adiponectin gene in lean and obese subjects from the Swedish Obese Subjects cohort. Metabolism, 52(7): 881-884, 2003. PMID: 12870165
- (837) Katzmarzyk PT, Leon AS, Wilmore JH, Skinner JS, Rao DC, Rankinen T and Bouchard C. Targeting the metabolic syndrome with exercise: Evidence from the HERITAGE Family Study. Med Sci Sports Exerc 35(10): 1703-1709, 2003. PMID: 14523308
- (838) Perusse L and Bouchard C. Bases genetiques de l'obesite familiale au Quebec. Medecine/Sciences 19:937-42, 2003. PMID: 14613003
- (839) Loos RJF and Bouchard C. Obesity – is it a genetic disorder? J Intern Med 254: 401-425, 2003. PMID: 14535962
- (840) Rico-Sanz J, Rankinen T, Joannis DR, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Familial resemblance for muscle phenotypes in the HERITAGE Family Study. Med Sci Sports Exerc 35(8): 1360-1366, 2003. PMID: 12900691

- Corrigendum – Rankinen T, Bouchard C, and Rao DC. Familial Resemblance for Muscle Phenotypes: The HERITAGE Family Study. Med Sci Sports Exerc 37(11): 2017, 2005. PMID: 12900691
- (841) Bosse Y, Vohl M-C, Despres J-P, Lamarche B, Rice T, Rao DC, Bouchard C and Perusse L. Heritability of LDL peak particle diameter in the Quebec Family Study. Genet Epidemiol 25:375-381, 2003. PMID: 14639707
- (842) Couillard C, Bergeron J, Despres J-P, Gagnon J, Rankinen T, Leon AS, Rao, DC, Skinner JS, Wilmore JH and Bouchard C. Apolipoprotein AI- and AI:AII-containing lipoproteins in white men and women of the HERITAGE Family Study: Associations with metabolic risk profile variables. Metabolism 52(12): 1530-1536, 2003. PMID: 14669150
- (843) Loos RJJ, Katzmarzyk PT, Rao DC, Rice T, Leon AS, Skinner JS, Wilmore JH, Rankinen T and Bouchard C. Genome-wide linkage scan for the metabolic syndrome in the HERITAGE Family Study. J Clin Endocrinol Metab 88: 5935-5943, 2003. PMID: 14671193
- (844) Desmeules A, Couillard C, Tchernof A, Bergeron J, Rankinen T, Leon AS, Rao DC, Skinner JS, Wilmore JH, Despres J-P and Bouchard C. Post-heparin lipolytic enzyme activities, sex hormones and sex hormone-binding globulin SHBG in men and women: The HERITAGE Family Study. Atherosclerosis 171: 343-350, 2003. PMID: 14644406
- (845) Malina RM, Bouchard C and Bar-Or O. Growth, Maturation and Physical Activity, Second Edition. Champaign, IL: Human Kinetics, 2004.
- (846) Lakka H-M, Tremblay A, Despres J-P, and Bouchard C. Effects of long-term negative energy balance with exercise on plasma lipid and lipoprotein levels in identical twins. Atherosclerosis 172: 127-133, 2004. PMID: 14709366
- (847) Rico-Sanz, J, Rankinen T, Rice T, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Quantitative trait loci for maximal exercise training in the HERITAGE Family Study. Physiol Genom 16: 256-260, 2004. PMID: 14625375
- (848) Leon AS, Togashi K, Rankinen T, Despres J-P, Rao DC, Skinner JS, Wilmore JH and Bouchard C. Association of apolipoprotein E polymorphism with blood lipids and maximal oxygen uptake in the sedentary state and after exercise training in the HERITAGE Family Study. Metabolism 53: 108-116, 2004. PMID: 14681851
- (849) Tanaka S, Togahi K, Rankinen T, Perusse L, Leon AS, Rao DC, Skinner JS, Wilmore JH, Depres J-P, and Bouchard C. Sex differences in the relationship of abdominal fat to cardiovascular disease risk among normal-weight white subjects. Int J Obes Relat Metab Disord 28: 320-323, 2004. PMID: 14647180
- (850) Bray GA and Bouchard C, editors. Handbook of Obesity: Etiology and Pathophysiology, Second Edition. New York: Marcel Dekker Inc, 2004.

- (851) Bray GA and Bouchard C, editors. Handbook of Obesity: Clinical Applications, Second Edition. New York: Marcel Dekker Inc, 2004.
- (852) Bouchard C, Perusse L, Rice T, Rao DC. Genetics of human obesity. In: Bray GA and Bouchard C, editors. Handbook of Obesity. New York: Marcel Dekker Inc, 2004. p. 157-200.
- (853) Ukkola O, Bouchard C. Role of candidate genes in the responses to long-term overfeeding: review of findings. Obes Rev 5:3-12, 2004. PMID: 14969502
- (854) Konig D, Vaisanen SB, Bouchard C, Halle M, Lakka TA, Baumstark MW, Alen M, Berg A, and Rauramaa R. Cardiorespiratory fitness modifies the association between dietary fat intake and plasma fatty acids. Eur J Clin Nutr 57: 810-815, 2003. PMID: 12821879
- (855) Gonzalez-Barranco J, Rios-Torres JM, Castillo-Martinez L, Lopez-Alvarenga JC, Aguilar-Salinas CA, Bouchard C, Despres J-P and Tremblay A. Effect of malnutrition during the first year of life on adult plasma insulin and glucose tolerance. Metabolism 52 (8): 1005-1011, 2003. PMID: 12898465
- (856) Bray G and Bouchard C. Obesity. In: King RA, Rotter JI, Motulsky AG, editors. The Genetic Basis of Common Diseases. Oxford: Oxford University Press, 2<sup>nd</sup> edition, chap 23, 2002. p. 481-509.
- (857) Janssen I, Katzmarzyk PT, Ross R, Leon AS, Skinner JS, Rao DC, Wilmore JH, Rankinen T and Bouchard C. Fitness alters the associations of BMI and waist circumference with total and abdominal fat. Obes Res 12 (3): 525-537, 2004. PMID: 15044671
- (858) Snyder EE, Walts B, Perusse L, Chagnon YC, Weisnagel SJ, Rankinen T and Bouchard C. The human obesity gene map: The 2003 update. Obes Res 12 (3): 369-439, 2004. PMID: 15044658
- (859) Paradis M-E, Couture P, Bosse Y, Despres J-P, Perusse L, Bouchard C, Vohl M-C, and Lamarche B. The T1111 mutation in the EL gene modulates the impact of dietary fat on the HDL profile in women. J Lipid Res 44: 1902-1908, 2003. PMID: 12867537
- (860) Ukkola O, Kesaniemi YA, Tremblay A and Bouchard C. Two variants in the resistin gene and the response to long-term overfeeding. Eur J Clin Nutr 58: 654-659, 2004. PMID: 15042134
- (861) Rankinen T and Bouchard C. Dose-response issues concerning the relations between regular physical activity and health. In: Corbin CB, Pangrazi RP, Franks BD, editors. Toward a Better Understanding of Physical Fitness & Activity: Selected topics, Volume Two, Holcomb Hathaway Publishers, Section III, Topic 8, 2004. p. 73-80.



- (862) Collaku A, Rankinen T, Rice T, Leon AS, Rao DC, Skinner JS, Wilmore JH and Bouchard C. A genome-wide linkage scan for dietary energy and nutrient intakes: the Health, Risk Factors, Exercise Training, and Genetics (HERITAGE) Family Study. Am J Clin Nutr 79: 881-886, 2004. PMID: 15113729
- (863) Sklan EH, Lowenthal A, Korner M, Ritov Y, Landers DM, Rankinen T, Bouchard C, Leon AS, Rice T, Rao DC, Wilmore JH, Skinner JS and Soreq H. Acetylcholinesterase / paraoxonase genotype and expression predict anxiety scores in Health, Risk Factors, Exercise Training, and Genetics study. PNAS 101: 5512-5517, 2004. PMID: 15060281. PMCID: PMC397414
- (864) Bosse Y, Chagnon YC, Despres J-P, Rice T, Rao DC, Bouchard C, Perusse L and Vohl M-C. Genome-wide linkage scan reveals multiple susceptibility loci influencing lipid and lipoprotein levels in the Quebec Family Study. J Lipid Res 45: 419-426, 2004. PMID: 14679165
- (865) Bouchard C and Perusse L. The genetics of human obesity. In: DeFronzo RA, Ferrannini E, Keen H, Zimmet P, editors. International Textbook of Diabetes Mellitus, Third Edition, Volume 1. John Wiley & Sons, Ltd, 2004. p. 597-622.
- (866) Teran-Garcia M, Despres J-P, Couillard C, Tremblay A and Bouchard C. Effects of long-term overfeeding on plasma lipoprotein levels in identical twins. Atherosclerosis 173: 277-283, 2004. PMID: 15064102
- (867) Alfonzo-Gonzalez G, Doucet E, Almeras N, Bouchard C and Tremblay A. Estimation of daily energy needs with the FAO/WHO/UNU 1985 procedures in adults: comparison to whole-body indirect calorimetry measurements. Eur J Clin Nutr 58:1125-31, 2004. PMID: 15054425
- (868) Shephard RJ, Rankinen T and Bouchard C. Test-retest errors and the apparent heterogeneity of training response. Eur J Appl Physiol 91: 199-203, 2004. PMID: 14564526
- (869) Provencher V, Drapeau V, Tremblay A, Despres J-P, Bouchard C and Lemieux S. Eating behaviors, dietary profile and body composition according to dieting history in men and women of the Quebec Family Study. Br J Nutr 91: 997-1004, 2004. PMID: 15182403
- (870) Lakka TA, Rankinen T, Weisnagel SJ, Chagnon YC, Lakka H-M, Ukkola O, Boule N, Rice T, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bergman R, and Bouchard C. Leptin and leptin receptor gene polymorphisms and changes in glucose homeostasis in response to regular exercise in nondiabetic individuals: HERITAGE Family Study. Diabetes 53: 1603-1608, 2004. PMID: 15161768
- (871) Rauramaa R, Halonen P, Vaisanen SB, Lakka TA, Schmidt-Trucksass A, Berg A, Penttila IM, Rankinen T and Bouchard C. Effects of aerobic physical exercise on inflammation

- and atherosclerosis in men: The DNASCO Study. Ann Intern Med 140: 1007-1014, 2004. PMID: 15197018
- (872) Loos RJE, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Calcium intake is associated with adiposity in Black and White men and White women of the HERITAGE Family Study. J Nutr 134: 1772-1778, 2004. PMID: 15226468
- (873) Thomis MAI, Huygens W, Heuninckx S, Chagnon M, Maes HHM, Claessens AL, Vlietinck R, Bouchard C, Beunen GP. Exploration of myostatin polymorphisms and the angiotensin-converting enzyme insertion/deletion genotype in responses of human muscle to strength training. Eur J Appl Physiol, 92(3): 267-274, 2004. PMID: 15083369
- (874) Stanforth PR, Jackson AS, Green JS, Gagnon J, Rankinen T, Despres J-P, Bouchard C, Leon AS, Rao DC, Skinner JS, and Wilmore JH. Generalized abdominal visceral fat prediction models for black and white adults aged 17-65y: the HERITAGE Family Study. Int J Obes Relat Metab Disord, 28(7): 925-932, 2004. PMID: 15148505
- (875) Katzmarzyk PT, Srinivasan SR, Chen W, Malina RM, Bouchard C, and Berenson GS. Body mass index, waist circumference, and clustering of cardiovascular disease risk factors in biracial sample of children and adolescents. Pediatrics 114 (2): e198-e205, 2004. PMID: 15286257
- (876) Green JS, Stanforth PR, Rankinen T, Leon AS, Rao DC, Skinner JS, Bouchard C, and Wilmore JH. The effects of exercise training on abdominal visceral fat, body composition, and indicators of the metabolic syndrome in postmenopausal women with and without estrogen replacement therapy: the HERITAGE Family Study. Metabolism 53 (9): 1192-1196, 2004. PMID: 15334383
- (877) Ardern CI, Katzmarzyk PT, Janssen I, Leon AS, Wilmore JH, Skinner JS, Rao DC, Despres JP, Rankinen T, Bouchard C. Race and sex similarities in exercise-induced changes in blood lipids and fatness. Med Sci Sport Exerc. 36 (9): 1610-1615, 2004. PMID: 15354045
- (878) Tremblay A, Perusse L, Bouchard C. Energy balance and body-weight stability: impact of gene-environment interactions. Br J Nutr. 92, Suppl. 1. S63-S66, 2004. PMID: 15384325
- (879) Rankinen T, Perusse L, Rauramaa R, Rivera MA, Wolfarth B, Bouchard C. The human gene map for performance and health-related fitness phenotypes: the 2003 update. Med Sci Sport Exerc. 36 (9): 1451-1469, 2004. PMID: 15354024
- (880) Rankinen T, Bouchard C. Genes, Genetic Heterogeneity, and Exercise Phenotypes. In: Mooren FC, Volker K, editors. Molecular and Cellular Exercise Physiology. Human Kinetics, Champaign, IL, 2005. pp 39-54.

- (881) Drapeau V, Despres J-P, Bouchard C, Allard L, Fournier G, Leblanc C and Tremblay A. Modifications in food-group consumption are related to long-term body-weight changes. Am J Clin Nutr 80:29-37, 2004. PMID: 15213024
- (882) Bouchard L, Drapeau V, Provencher V, Lemieux S, Chagnon Y, Rice T, Rao DC, Vohl M-C, Tremblay, A, Bouchard C and Perusse L. Neuromedin  $\beta$ : a strong candidate gene linking eating behaviors and susceptibility to obesity. Am J Clin Nutr 80: 1478-86, 2004. PMID: 15585758
- (883) Bosse Y, Chagnon YC, Despres J-P, Rice T, Rao DC, Bouchard C, Perusse L, and Vohl M-C. Compendium of genome-wide scans of lipid-related phenotypes: adding a new genome-wide search of apolipoprotein levels. J Lipid Res 45: 2174-2184, 2004. PMID: 15375185
- (884) Bai F, Charbonneau C, Belsham DD, Rao DC, Bouchard C and Argyropoulos G. Functional dimorphism of two hAgRP promoter SNPs in linkage disequilibrium. J Med Genet 41:350-353, 2004. PMID: 15121772. PMCID: PMC1735766
- (885) Argyropoulos G, Smith S and Bouchard C. Genetics of the metabolic syndrome. In: Kumar S, O'Rahilly S, editors. Insulin Resistance. John Wiley & Sons, Ltd, West Essex, England, 2005. p. 401-450.
- (886) Sjostrom L, Lindroos A-K, Peltonen M, Torgerson J, Bouchard C, Carlsson B, Dahlgren S, Larsson B, Narbro K, Sjostrom CD, Sullivan M, and Wedel H. Lifestyle, diabetes, and cardiovascular risk factors 10 years after bariatric surgery. N Engl J Med 351: 2683-2693, 2004. PMID: 15616203
- (887) Boule NG, Weisnagel SJ, Lakka TA, Tremblay A, Bergman RN, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Effects of exercise training on glucose homeostasis: The HERITAGE Family Study. Diabetes Care 28(1):108-14, 2005. PMID: 15616242
- (888) Bouchard L, Weisnagel SJ, Engert JC, Hudson TJ, Bouchard C, Vohl M-C, and Perusse L. Human resistin gene polymorphism is associated with visceral obesity and fasting and oral glucose stimulated C-peptide in the Quebec Family Study. J Endocrinol Invest 27: 1003-1009, 2004. PMID: 15754730
- (889) An P, Borecki IB, Rankinen T, Despres J-P, Leon AS, Skinner JS, Wilmore JH, Bouchard C, and Rao DC. Evidence of Major Genes for Plasma HDL, LDL Cholesterol and Triglyceride Levels at Baseline and in Response to 20 Weeks of Endurance Training: The HERITAGE Family Study. Int J Sports Med 26(6):414-9, 2005. PMID: 16037881
- (890) Loos RJF, Rankinen T, Tremblay A, Perusse L, Chagnon Y, and Bouchard C. Melanocortin-4 receptor gene and physical activity in the Quebec Family Study. Int J Obes 29:420-8, 2005. PMID: 15597110

- (891) Bouchard C. Gene-Physical Activity Interactions and the Cardiovascular Disease Risk Profile. Jpn Heart J 45: S94-S101, 2005
- (892) Eisenmann JC, Katzmarzyk PT, Perusse L, Tremblay A, Despres J-P, Bouchard C. Aerobic fitness, body mass index, and CVD risk factors among adolescents: the Quebec family study. Int J Obes 29(9):1077-83, 2005. PMID: 15917844
- (893) Santoro N, Rankinen T, Perusse L, Loos RJ, Bouchard C. MC4R marker associated with stature in children and young adults: a longitudinal study. J Pediatr Endocrinol Metab 18(9): 859-63, 2005. PMID: 16279363
- (894) Feitosa MF, Borecki IB, Rankinen T, Rice T, Despres JP, Chagnon YC, Gagnon J, Leon AS, Skinner JS, Bouchard C, Province MA, Rao DC. Evidence of QTLs on chromosomes 1q42 and 8q24 for LDL-cholesterol and apoB levels in the HERITAGE Family Study. J Lipid Res 46(2):281-6, 2005. PMID: 15576847
- (895) Perusse L, Rankinen T, Zuberi A, Chagnon YC, Weisnagel SJ, Argyropoulos G, Walts B, Snyder EE, Bouchard C. The human obesity gene map: the 2004 update. Obes Res 13(3):381-490, 2005. PMID: 15833932
- (896) Boule NG, Bouchard C, Tremblay A. Physical fitness and the metabolic syndrome in adults from the Quebec Family Study. Can J Appl Physiol 30(2):140-56, 2005. PMID: 15981784
- (897) Bouchard L, Mauriege P, Vohl MC, Bouchard C, Perusse L. Plasminogen-activator inhibitor-1 polymorphisms are associated with obesity and fat distribution in the Quebec Family Study: evidence of interactions with menopause. Menopause 12(2):136-43, 2005. PMID: 15772559
- (898) Feitosa MF, Rice T, Rankinen T, Almasy L, Leon AS, Skinner JS, Wilmore JH, Bouchard C, Rao DC. Common genetic and environmental effects on lipid phenotypes: The HERITAGE Family Study. Hum Hered 59(1):34-40, 2005. PMID: 15802920
- (899) Ukkola O, Santaniemi M, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bergman R, Kesaniemi YA, Bouchard C. Adiponectin polymorphisms, adiposity and insulin metabolism: HERITAGE Family Study and Oulu diabetic study. Ann Med 37(2):141-50, 2005. PMID: 16028335
- (900) Katzmarzyk P and Bouchard C. Genetic influences on human body composition. In: Heymsfield SB, Lohman TG, Wang Z, Going SB, editors. Human Body Composition. Human Kinetics, 2<sup>nd</sup> Edition, chap 16, 2005. pp 243-57.
- (901) Teran-Garcia M, Rankinen T, Koza R, Rao DC, Bouchard C. Endurance training-induced changes in insulin sensitivity and gene expression. Am J Physiol Endocrinol Metab 288: E1168-78, 2005. PMID: 15687108

- (902) Ukkola O, Rankinen T, Lakka T, Leon AS, Skinner JS, Wilmore JH, Rao DC, Kesaniemi YA, Bouchard C. Protein tyrosine phosphatase 1B variant associated with fat distribution and insulin metabolism. Obes Res 13(5): 829-34, 2005. PMID: 15919835
- (903) Janssen I, Katzmarzyk PT, Srinivasan SR, Chen W, Malina RM, Bouchard C, Berenson GS. Combined influence of body mass index and waist circumference on coronary artery disease risk factors among children and adolescents. Pediatrics 115(6): 1623-30, 2005. PMID: 15930225
- (904) Lakka TA and Bouchard C. Physical activity, obesity and cardiovascular diseases. In: von Eckardstein A, editor. Atherosclerosis: Diet and Drugs. Handbook of Experimental Pharmacology, Springer-Verlag Berlin Heidelberg, 2005. Vol. 170, p. 137-63. PMID: 16596798
- (905) Wolfarth B, Bray MS, Hagberg JM, Perusse L, Rauramaa R, Rivera MA, Roth SM, Rankinen T, Bouchard C. The human gene map for performance and health-related fitness phenotypes: the 2004 update. Med Sci Sports Exerc 37(6): 881-903, 2005. PMID: 15947712
- (906) An P, Teran-Garcia M, Rice T, Rankinen T, Weisnagel SJ, Bergman RN, Boston RC, Mandel S, Stefanovski D, Leon AS, Skinner JS, Rao DC, Bouchard C. Genome-wide linkage scans for prediabetes phenotypes in response to 20 weeks of endurance exercise training in non-diabetic whites and blacks: the HERITAGE Family Study. Diabetologia 48(6): 1142-9, 2005. PMID: 15868134
- (907) Janssen I, Katzmarzyk PT, Srinivasan SR, Chen W, Malina RM, Bouchard C, Berenson GS. Utility of childhood BMI in the prediction of adulthood disease: comparison of national and international references. Obes Res 13(6): 1106-15, 2005. PMID: 15976154
- (908) Teran-Garcia M, Santoro N, Rankinen T, Bergeron J, Rice T, Leon AS, Rao DC, Skinner JS, Bergman RN, Despres JP, Bouchard C. Hepatic lipase gene variant -514C>T is associated with lipoprotein and insulin sensitivity response to regular exercise: The HERITAGE Family Study. Diabetes 54 (7): 2251-5, 2005. PMID: 15983229
- (909) Blouin K, Despres J-P, Couillard C, Tremblay A, Prud'homme D, Bouchard C, Tchernof A. Contribution of age and declining androgen levels to features of the metabolic syndrome in men. Metabolism 54:1034-40, 2005. PMID: 16092053
- (910) Skinner JS, Gaskill SE, Rankinen T, Leon AS, Rao DC, Wilmore JH, Bouchard C. Heart rate versus %VO<sup>2</sup>max: age, sex, race, initial fitness, and training response – HERITAGE. Med Sci Sports Exerc 35(11): 1908-13, 2003. PMID: 14600558
- (911) Bosse Y, Feitosa MF, Despres JP, Lamarche B, Rice T, Rao DC, Bouchard C, Perusse L, Vohl MC. Detection of a major gene effect for LDL peak particle diameter and association with apolipoprotein H gene haplotype. Atherosclerosis 182(2): 231-9, 2005. PMID: 16159595

- (912) Feitosa MF, Rice T, Rankinen T, Province MA, Chagnon YC, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Despres JP, Bouchard C, Rao DC, Borecki IB. Evidence of QTLs on chromosomes 13q and 14q for triglycerides before and after 20 weeks of exercise training: the HERITAGE Family Study. Atherosclerosis 182(2): 349-60, 2005. PMID: 16159608
- (913) Lakka TA, Lakka HM, Rankinen T, Leon AS, Rao DC, Skinner JS, Wilmore JH, Bouchard C. Effect of exercise training on plasma levels of C-reactive protein in healthy adults: the HERITAGE Family Study. Eur Heart J 26: 2018-25, 2005. PMID: 15987707
- (914) Provencher V, Perusse L, Bouchard L, Drapeau V, Bouchard C, Rice T, Rao DC, Tremblay A, Despres JP, Lemieux S. Familial resemblance in eating behaviors in men and women from the Quebec Family Study. Obes Res 13(9): 1624-9, 2005. PMID: 16222066
- (915) Bosse Y, Bouchard L, Despres JP, Bouchard C, Perusse L, Vohl MC. Haplotypes in the phospholipids transfer protein gene are associated with obesity-related phenotypes: the Quebec Family Study. Int J Obes 29: 1338-45, 2005. PMID: 15953936
- (916) Loos RJE, Rankinen T, Rice T, Rao DC, Leon AS, Skinner JS, Bouchard C, Argyropoulos G. Two ethnic-specific polymorphisms in the human Agouti-related protein gene are associated with macronutrient intake. Am J Clin Nutr 82: 1097-101, 2005. PMID: 16280444
- (917) Loos RJ, Rankinen T, Chagnon Y, Tremblay A, Perusse L, Bouchard C. Polymorphisms in the leptin receptor genes in relation to resting metabolic rate and respiratory quotient in the Quebec Family Study. Int J Obes 30(1): 183-90, 2006. PMID: 16231024
- (918) An P, Rice T, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Bouchard C, and Rao DC. Genome-wide scan to identify quantitative trait loci for baseline resting heart rate and its response to endurance exercise training: the HERITAGE Family Study. Int J Sports Med 27(1): 31-6, 2006. PMID: 16388439
- (919) Malhotra A, Coon H, Feitosa MF, Li WD, North KE, Price RA, Bouchard C, Hunt SC, Wolford JK. Meta-analysis of genome-wide linkage studies for quantitative lipid traits in African Americans. Hum Mol Genet 14(24): 3955-62, 2005. PMID: 16301214
- (920) Alfonzo-Gonzalez G, Doucet E, Bouchard C, Tremblay A. Greater than predicted decrease in resting energy expenditure with age: cross-sectional and longitudinal evidence. Eur J Clin Nutr 60(1): 18-24, 2006. PMID: 16151460
- (921) Rice T, Cooper RS, Wu X, Bouchard C, Rankinen T, Rao DC, Jaquish CE, Fabsitz RR, Province MA. Meta-analysis of genome-wide scans for blood pressure in African American and Nigerian samples. The National Heart, Lung, and Blood Institute GeneLink Project. Am J Hypertens 19(3): 270-4, 2006. PMID: 16500512

- (922) Feitosa MF, Rice T, North KE, Kraja A, Rankinen T, Leon AS, Skinner JS, Blangero J, Bouchard C, Rao DC. Pleiotropic QTL on chromosome 19q13 for triglycerides and adiposity: The HERITAGE Family Study. Atherosclerosis 185(2): 426-32, 2006. PMID: 16046215
- (923) Lakka HM, Lakka TA, Rankinen T, Rice T, Rao DC, Leon AS, Skinner JS, Bouchard C. The TNF-alpha G-308A polymorphism is associated with C-reactive protein levels: The HERITAGE Family Study. Vascul Pharmacol 44(3): 377-83, 2006. PMID: 16581306
- (924) Rankinen T, Zuberi A, Chagnon YC, Weisnagel SJ, Argyropoulos G, Walts B, Perusse L, Bouchard C. The human obesity gene map: the 2005 update. Obesity 14(4): 529-644, 2006. PMID: 16741264
- (925) Hautala AJ, Rankinen T, Kiviniemi AM, Makikallio TH, Huikuri HV, Bouchard C, Tulppo MP. Heart rate recovery after maximal exercise is associated with acetylcholine receptor M2 (CHRM2) gene polymorphism. Am J Physiol Heart Circ Physiol 291: H459-66, 2006. PMID: 16501017
- (926) Rankinen T, Bouchard C. Genetics of food intake and eating behavior phenotypes in humans. Annu Rev Nutr 26: 413-34, 2006. PMID: 16848714
- (927) Desilets MC, Garrel D, Couillard C, Tremblay A, Despres JP, Bouchard C, Delisle H. Ethnic differences in body composition and other markers of cardiovascular disease risk: study in matched Haitian and white subjects from Quebec. Obesity 14(6): 1019-27, 2006. PMID: 16861607
- (928) Bailey SD, Loredó-Osti JC, Lepage P, Faith J, Fontaine J, Desbiens KM, Hudson TJ, Bouchard C, Gaudet D, Perusse L, Vohl MC, Engert JC. Common polymorphisms in the promoter of the visfatin gene (PBEF1) influence plasma insulin levels in a French-Canadian population. Diabetes 55(10): 2896-902, 2006. PMID: 17003359
- (929) Okura T, Rankinen T, Gagnon J, Lussier-Cacan S, Davignon J, Leon AS, Rao DC, Skinner JS, Wilmore JH, Bouchard C. Effect of regular exercise on homocysteine concentrations: the HERITAGE Family Study. Eur J Appl Physiol 98(4): 394-401, 2006. PMID: 17016702
- (930) Aissani B, Perusse L, Lapointe G, Chagnon YC, Bouchard L, Walts B, Bouchard C. A quantitative trait locus for body fat on chromosome 1q43 in French Canadians: linkage and association studies. Obesity 14(9): 1605-15, 2006. PMID: 17030972
- (931) Lakka HM and Bouchard C. Etiology of obesity. In: Buchwald H, Cowan GSM, Pories WJ, editors. Surgical management of obesity. Saunders, Philadelphia; chapter 3, 2006. p. 18-28.

- (932) Lakka TA, Rankinen T, Rice T, Leon AS, Rao DC, Skinner JS, Bouchard C. Quantitative trait locus on chromosome 20q13 for plasma levels of c-reactive protein in healthy whites: the HERITAGE Family Study. Physiol Genom 27:103-7, 2006. PMID: 16822830
- (933) Rankinen T, Bray MS, Hagberg JM, Perusse L, Roth SM, Wolfarth B, Bouchard C. The human gene map for performance and health-related fitness phenotypes: the 2005 update. Med Sci Sports Exerc 38 (11): 1863-88, 2006. PMID: 17095919
- (934) Bouchard C, Blair SN, Haskell WL (eds). Physical Activity and Health. Champaign, IL: Human Kinetics, 2007.
- (935) Bouchard C, Blair SN, Haskell WL. Why Study Physical Activity and Health? In: Bouchard C, Blair SN, Haskell WL, editors. Physical Activity and Health. Champaign, IL: Human Kinetics, 2007. p. 3-20.
- (936) Rankinen T, Bouchard C. Genetic Differences in the Relationships Among Physical Activity, Fitness, and Health. In: Bouchard C, Blair SN, Haskell WL, editors. Physical Activity and Health. Champaign, IL: Human Kinetics, 2007. p. 337-58.
- (937) Haskell WL, Blair SN, Bouchard C. An Integrated View of Physical Activity, Fitness, and Health. In: Bouchard C, Blair SN, Haskell WL, editors. Physical Activity and Health. Champaign, IL: Human Kinetics, 2007. p. 359-74.
- (938) Blache D, Lussier-Cacan S, Gagnon J, Leon AS, Rao DC, Skinner JS, Wilmore JH, Rankinen T, Bouchard C, Davignon J. Effect of exercise training on in vitro LDL oxidation and free radical-induced hemolysis: the HERITAGE Family Study. Antioxid Redox Signal 9(1): 123-30, 2007. PMID: 17115891
- (939) Jacobson P, Rankinen T, Tremblay A, Perusse L, Chagnon YC, Bouchard C. Resting metabolic rate and respiratory quotient: results from a genome-wide scan in the Quebec Family Study. Am J Clin Nutr 84: 1527-33, 2006. PMID: 17158439
- (940) Dube MC, Joannisse DR, Prud'homme D, Lemieux S, Bouchard C, Perusse L, Lavoie C, Weisnagel SJ. Muscle adiposity and body fat distribution in type 1 and type 2 diabetes: varying relationships according to diabetes type. Int J Obes 30(12): 1721-8, 2006. PMID: 16652137
- (941) Jacobson P, Torgerson JS, Sjostrom L, Bouchard C. Spouse resemblance in body mass index: effects on adult obesity prevalence in the offspring generation. Am J Epidemiol 165(1): 101-8, 2007. PMID: 17041131
- (942) Turley KR, Stanforth PR, Rankinen T, Bouchard C, Leon AS, Rao DC, Skinner JS, Wilmore JH, Spears FM. Scaling submaximal exercise cardiac output and stroke volume: the HERITAGE Family Study. Int J Sports Med 27(12): 993-9, 2006. PMID: 16739086



- (943) Loos RJE, Ruchat S, Rankinen T, Tremblay A, Perusse L, Bouchard C. Adiponectin and adiponectin receptor gene variants in relation to resting metabolic rate, respiratory quotient, and adiposity-related phenotypes in the Quebec Family Study. Am J Clin Nutr 85: 26-34, 2007. PMID: 17209173
- (944) Feitosa ME, Rice T, Borecki IB, Rankinen T, Leon AS, Skinner JS, Despres JP, Blangero J, Bouchard C, Rao DC. Pleiotropic QTL on chromosome 12q23-q24 influences triglyceride and high-density lipoprotein cholesterol levels: the HERITAGE Family Study. Hum Biol 78(3): 317-27, 2006. PMID: 17216804
- (945) Chaput JP, Despres JP, Bouchard C, Tremblay A. Short sleep duration is associated with reduced leptin levels and increased adiposity: results from the Quebec Family Study. Obesity 15(1): 253-61, 2007. PMID: 17228054
- (946) Eisenmann JC, Malina RM, Tremblay A, Bouchard C. Adiposity and cardiac dimensions among 9- to 18-year-old youth: the Quebec Family Study. J Hum Hypertens 12(2): 114-9, 2007. PMID: 17096006
- (947) Choquette A, Bouchard L, Houde A, Bouchard C, Perusse L, Vohl MC. Associations between USF1 gene variants and cardiovascular risk factors in the Quebec Family Study. Clin Genet 71(3): 245-53, 2007. PMID: 17309647
- (948) Teran-Garcia M, Bouchard C. Genetics of the metabolic syndrome. Appl Physiol Nutr Metab 32(1): 89-114, 2007. PMID: 17332787
- (949) Bosse Y, Despres JP, Chagnon YC, Rice T, Rao DC, Bouchard C, Perusse L, Vohl MC. Quantitative trait locus on 15q for a metabolic syndrome variable derived from factor analysis. Obesity 15(3): 544-50, 2007. PMID: 17372302
- (950) Hautala A, Leon A, Skinner J, Rao DC, Bouchard C, Rankinen T. Peroxisome proliferator-activated receptor- $\delta$  polymorphisms are associated with physical performance and plasma lipids: the HERITAGE Family Study. Am J Physiol Heart Circ Physiol 292: H2498-505, 2007. PMID: 17259439
- (951) Bouchard L, Tremblay A, Bouchard C, Perusse L. Contribution of several candidate gene polymorphisms in the determination of adiposity changes: results from the Quebec Family Study. Int J Obes 31(6): 891-9, 2007. PMID: 17299381
- (952) Rankinen T, Bouchard C. Invited Commentary: Physical Activity, Mortality, and Genetics. Am J Epidemiol 166(3): 260-2, 2007. PMID: 17493951
- (953) Arsenault B, Lachance D, Lemieux I, Almeras N, Tremblay A, Bouchard C, Perusse L, Despres JP. Visceral Adipose Tissue Accumulation, Cardiorespiratory Fitness, and Features of the Metabolic Syndrome. Arch Intern Med 167(14): 1518-25, 2007. PMID: 17646606

- (954) Sjöström L, Narbro K, Sjöström D, Karason K, Larsson B, Wedel H, Lystig T, Sullivan M, Bouchard C, Carlsson B, Bengtsson C, Dahlgren S, Gummesson A, Jacobson P, Karlsson J, Lindroos AK, Lönroth H, Näslund I, Olbers T, Stenlöf K, Torgerson J, Ågren G, Carlsson L, for the Swedish Obese Subjects Study. Effects of Bariatric Surgery on Mortality in Swedish Obese Subjects. N Engl J Med, 357(8): 741-52, 2007. PMID: 17715408
- (955) Bouchard L, Bouchard C, Chagnon Y, Perusse L. Evidence of linkage and association with body fatness and abdominal fat on chromosome 15q26. Obesity 15(8): 2061-70, 2007. PMID: 17712124
- (956) Bouchard C. The biological predisposition to obesity: beyond the thrifty gene scenario (commentary). Int J Obes 31(9): 1337-9, 2007.
- (957) Teran-Garcia M, Rankinen T, Rice T, Leon AS, Rao DC, Skinner JS, Bouchard C. Variations in the four and a half LIM domains 1 gene (FHL1) are associated with fasting insulin and insulin sensitivity responses to regular exercise. Diabetologia 50(9): 1858-66, 2007. PMID: 17589823
- (958) Spielmann N, Leon AS, Rao DC, Rice T, Skinner JS, Bouchard C, Rankinen T. CETP genotypes and HDL-cholesterol phenotypes in the HERITAGE Family Study. Physiol Genomics 31(9): 25-31, 2007. PMID: 17519358
- (959) Robitaille J, Perusse L, Bouchard C, Vohl MC. Genes, fat intake, and cardiovascular disease risk factors in the Quebec Family Study. Obesity 15(9): 2336-47, 2007. PMID: 17890503
- (960) Rankinen T, Church TS, Rice T, Bouchard C. Cardiorespiratory Fitness, BMI, and Risk of Hypertension: The HYPGENE Study. Med Sci Sports Exer 39(10): 1687-92, 2007. PMID: 17909393
- (961) Bouchard C. BMI, fat mass, abdominal adiposity and visceral fat: where is the 'beef'? (commentary). Int J Obes 31(10): 1552-3, 2007. PMID: 17549092
- (962) Chaput JP, Depres JP, Bouchard C, Tremblay A. Association of sleep duration with type 2 diabetes and impaired glucose tolerance. Diabetologia 50(11): 2298-304, 2007. PMID: 17717644
- (963) Bouchard C, Rankinen T. Experimental Twin Studies. In: Clement K, Sorensen T, editors. Obesity: Genomics and Postgenomics. Informa Healthcare, New York; chapter 2.4, 2008. p. 49-58.
- (964) Rankinen T, Bouchard C. Genetics of Physical Activity. In: Clement K, Sorensen T, editors. Obesity: Genomics and Postgenomics. Informa Healthcare, New York; chapter 7.2, 2008. p 277-86.

- (965) Bouchard C, Rankinen T. Exciting Advances and New Opportunities. In: Clement K, Sorensen T, editors. Obesity: Genomics and Postgenomics, Informa Healthcare, New York; chapter 11.1, 2008. p. 549-62.
- (966) Wolfarth B, Rankinen T, Muhlbauer S, Scherr J, Boulay M, Perusse L, Rauramaa R, Bouchard C. Association between a beta(2)-adrenergic receptor polymorphism and elite endurance performance. Metabolism 56(12): 1649-51, 2007. PMID: 17998016
- (967) Rankinen T, Church T, Rice T, Markward N, Leon AS, Rao DC, Skinner JS, Blair S, Bouchard C. Effect of endothelin 1 genotype on blood pressure is dependent on physical activity or fitness levels. Hypertension 50(6): 1120-5, 2007. PMID: 17938376
- (968) Dolley G, Berthier MT, Lamarche B, Despres JP, Bouchard C, Perusse L, Vohl MC. Influences of the phosphatidylcholine transfer protein gene variants on the LDL peak particle size. Atherosclerosis 195: 297-302, 2007. PMID: 17266964
- (969) Loos RJ, Rankinen T, Perusse L, Tremblay A, Despres JP, Bouchard C. Association with *Lipin 1* gene polymorphisms with measures of energy and glucose metabolism. Obesity 15(11): 2723-32, 2007. PMID: 18070763
- (970) Spielmann N, Leon AS, Rao DC, Rice T, Skinner JS, Rankinen T, Bouchard C. Genome-wide linkage scan for submaximal exercise heart rate in the HERITAGE family study. Am J Physiol Heart Circ Physiol 293(6): H3366-71, 2007. PMID: 17921336
- (971) Chaput JP, Tremblay A, Rimm E, Bouchard C, Ludwig D. A novel interaction between dietary composition and insulin secretion: effects on weight gain in the Quebec Family Study. Am J Clin Nutr 87(2): 303-9, 2008. PMID: 18258618
- (972) Teran-Garcia M, Despres JP, Tremblay A, Bouchard C. Effects of cholesterol ester transfer protein (CETP) gene on adiposity in response to long-term overfeeding. Atherosclerosis 196(1): 455-60, 2008. PMID: 17196207. PMCID: PMC2267371
- (973) Ruchat SM, Loos RJ, Rankinen T, Vohl MC, Weisnagel SJ, Despres JP, Bouchard C, Perusse L. Associations between glucose tolerance, insulin sensitivity and insulin secretion phenotypes and polymorphisms in adiponectin receptor genes in the Quebec Family Study. Diabet Med 25(4): 400-6, 2008. PMID: 18294218
- (974) Do R, Bailey SD, Desbiens K, Belisle A, Montpetit A, Bouchard C, Perusse L, Vohl MC, Engert JC. Genetic variants of *FTO* influence adiposity, insulin sensitivity, leptin levels, and resting metabolic rate in the Quebec Family Study. Diabetes 57(4): 1147-50, 2008. PMID: 18316358
- (975) Major GC, Doucet E, Jacqmain M, St-Onge M, Bouchard C, Tremblay A. Multivitamin and dietary supplements, body weight and appetite: results from a cross-sectional and a randomized double-blind placebo-controlled study. Br J Nutr 99(4): 1157-67, 2008. PMID: 17977472

- (976) Loos RJF, Bouchard C. FTO: the first gene contributing to common forms of human obesity (viewpoint). Obes Rev 9(4): 246-50, 2008. PMID: 18373508
- (977) Ukkola O, Teran-Garcia M, Tremblay A, Despres JP, Bouchard C. Adiponectin concentration and insulin indicators following overfeeding in identical twins. J Endocrinol Invest 31(2): 132-37, 2008. PMID: 18362504
- (978) Chaput JP, Despres JP, Bouchard C, Tremblay A. The Association Between Sleep Duration and Weight Gain in Adults: A 6-Year Prospective Study from the Quebec Family Study. Sleep 31(4): 517-23, 2008. PMID: 18457239. PMCID: PMC2279744
- (979) Boule N, Chaput JP, Doucet E, Richard D, Despres JP, Bouchard C, Tremblay A. Glucose homeostasis predicts weight gain: prospective and clinical evidence. Diabetes Metab Res Rev 24(2): 123-29, 2008. PMID: 17879957
- (980) Bouchard C. The magnitude of the energy imbalance in obesity is generally underestimated. (commentary). Int J Obes 32(6): 879-80, 2008. PMID: 18197179
- (981) Dolley G, Lamarche B, Despres JP, Bouchard C, Perusse L, Vohl MC. Myeloperoxidase gene sequence variations are associated with low-density-lipoprotein characteristics. J Hum Genet 53(5): 439-46, 2008. PMID: 18322643
- (982) Bray GA, Bouchard C, editors. Handbook of Obesity: Clinical Applications, Third Edition. New York, NY: Informa Healthcare, 2008.
- (983) Ruchat SM, Despres JP, Weisnagel SJ, Bouchard C, Perusse L. Genome-wide linkage analysis for circulating levels of adipokines and C-reactive protein in the Quebec family study (QFS). J Hum Genet 53(7): 629-36, 2008. PMID: 18414778
- (984) Wolfarth B, Rankinen T, Muhlbauer S, Ducke M, Rauramaa R, Boulay MR, Perusse L, Bouchard C. Endothelial nitric oxide synthase gene polymorphism and elite endurance athlete status: the Geneathlete study. Scand J Med Sci Sports 18(4): 485-90, 2008. PMID: 18067521
- (985) Ruchat SM, Girard M, Weisnagel SJ, Bouchard C, Vohl MC, Perusse L. Association between  $\mu$ -opioid receptor-1 102T>C polymorphism and intermediate type 2 diabetes phenotypes: results from the Quebec Family Study (QFS). Clin Exp Pharmacol Physiol 35(9): 1018-22, 2008. PMID: 18518884
- (986) Teran-Garcia M, Rankinen T, Bouchard C. Genes, exercise, growth, and the sedentary, obese child. J Appl Physiol 105(3): 988-1001, 2008. PMID: 18535128
- (987) Choquette AC, Lemieux S, Tremblay A, Chagnon YC, Bouchard C, Vohl MC, Perusse L. Evidence of a quantitative trait locus for energy and macronutrient intakes on

- chromosome 3q27.3: the Quebec Family Study. Am J Clin Nutr 88(4): 1142-8, 2008. PMID: 18842805
- (988) Rankinen T, Church T, Rice T, Markward N, Blair S, Bouchard C. A Major Haplotype Block at the Rho-Associated Kinase 2 Locus Is Associated with a Lower Risk of Hypertension in a Recessive Manner: The HYPGENE Study. Hypertens Res 31(8): 1651-7, 2008. PMID: 18971541. PMCID: PMC2596921
- (989) Bouchard C. How much progress have we made over the last few decades? Int J Obes 32(S7): S2-7, 2008. PMID: 19136987
- (990) Agurs-Collins T, Bouchard C. Gene-Nutrition and Gene-Physical Activity Interactions in the Etiology of Obesity. Obesity 16(S3): S2-4, 2008. PMID: 19037207. PMCID: PMC2703437
- (991) Bouchard C. Gene-Environment Interactions in the Etiology of Obesity: Defining the Fundamentals. Obesity 16(S3): S5-10, 2008. PMID: 19037213
- (992) Rankinen T, Bouchard C. Gene-Physical Activity Interactions: Overview of Human Studies. Obesity 16(S3): S47-50, 2008. PMID: 19037212. PMCID: PMC2760930
- (993) Bouchard C, Agurs-Collins T. Studying Gene-Behavior Interactions: Summary of Recommendations. Obesity 16(S3): S95-6, 2008. PMID: 19037222. PMCID: PMC2719886
- (994) Bray M, Hagberg J, Perusse L, Rankinen T, Roth S, Wolfarth B, Bouchard C. The Human Gene Map for Performance and Health-Related Fitness Phenotypes: The 2006-2007 Update. Med Sci Sports Exer 41(1): 34-72, 2009. PMID: 19123262
- (995) Leskela P, Ukkola O, Vartiainen J, Ronnema T, Kaprio J, Bouchard C, Kesaniemi A. Fasting plasma total ghrelin concentrations in monozygotic twins discordant for obesity. Metabolism 58(2): 174-9, 2009. PMID: 19154949
- (996) Garenc C, Vohl MC, Bouchard C, Perusse L. LIPE C-60G influences the effects of physical activity on body fat and plasma lipid concentrations: The Quebec Family Study. Hum Genomics 3(2):157-68, 2009. PMID: 19164092
- (997) Argyropoulos G, Stutz A, Ilnytska O, Rice T, Teran-Garcia M, Rao DC, Bouchard C, Rankinen T. KIF5B gene sequence variation and response of cardiac stroke volume to regular exercise. Physiol Genomics 36(1): 79-88, 2009. PMID: 18984674. PMCID: PMC2636926
- (998) Sisson SB, Katzmarzyk PT, Earnest CP, Bouchard C, Blair S, Church TS. Volume of Exercise and Fitness Nonresponse in Sedentary, Postmenopausal Women. Med Sci Sports Exer 41(3): 539-45, 2009. PMID: 19204597. PMCID: PMC2669311

- (999) Johnson WD, Bouchard C, Newton RL, Ryan DH, Katzmarzyk PT. Ethnic Differences in Self-reported and Measured Obesity. Obesity 17(3): 571-77, 2009. PMID: 19238143. PMCID: PMC2753419
- (1000) Bouchard C, Rankinen T. Genetic Determinants of Physical Performance. In: RJ Maughan, editor. Olympic Textbook of Science in Sport. Wiley-Blackwell, Hoboken, NJ; chapter 12, p 181-201, 2009.
- (1001) Bray GA, Bouchard C, Church TS, Cefalu WT, Greenway FL, Gupta AK, Kaplan LM, Ravussin E, Smith SR, Ryan DH. Is it time to change the way we report and discuss weight loss? Obesity 17(4): 619-21, 2009. PMID: 19322140
- (1002) Rankinen T, Bouchard C. Individual Responses to Physical Activity: The Role of Genetics. In: Lee I, Blair S, Manson J, Paffenbarger R, editors. Epidemiologic Methods in Physical Activity Studies. Oxford University Press, New York; chapter 5, p 77-99, 2009.
- (1003) Hautala AJ, Tulppo MP, Kiviniemi AM, Rankinen T, Bouchard C, Makikallio TH, Huikuri HV. Acetylcholine receptor M2 gene variants, heart rate recovery, and risk of cardiac death after an acute myocardial infarction. Ann Med 41(3): 197-207, 2009. PMID: 18979273
- (1004) Johnson WD, Kroon JJ, Greenway FL, Bouchard C, Ryan D, Katzmarzyk PT. Prevalence of risk factors for metabolic syndrome in adolescents. Arch Pediatr Adolesc Med 163(4):371-7, 2009. PMID: 19349567
- (1005) Bouchard C. Childhood Obesity: are genetic differences involved? Am J Clin Nutr 89(5): S1494-1501, 2009. PMID: 19261728. PMCID: PMC2677002.
- (1006) Pigeon E, Couillard E, Tremblay A, Bouchard C, Weisnagel SJ, Joanisse DR. Mid-Thigh Subcutaneous Adipose Tissue and Glucose Tolerance in the Quebec Family Study. Obesity Facts 1(6): 310-18, 2008. PMID: 20054194
- (1007) Katzmarzyk PT, Church TS, Craig CL, Bouchard C. Sitting Time and Mortality from All Causes, Cardiovascular Disease, and Cancer. Med Sci Sports Exer 41(5): 998-1005, 2009. PMID: 19346988
- (1008) Cartier A, Cote M, Lemieux I, Perusse L, Tremblay A, Bouchard C, Despres JP. Sex differences in inflammatory markers : what is the contribution of visceral adiposity. Am J Clin Nutr 89(5): 1307-14, 2009. PMID: 19297456
- (1009) Ruchat SM, Weisnagel SJ, Rankinen T, Bouchard C, Vohl MC, Perusse L. Interaction between HNF4A polymorphisms and physical activity in relation to type 2 diabetes-related traits: Results from the Quebec Family Study. Diabetes Res Clin Pract 84: 211-18, 2009. PMID: 19406499

- (1010) Dolley G, Lamarche B, Despres JP, Bouchard C, Perusse L, Vohl MC. Phosphoinositide cycle gene polymorphisms affect the plasma lipid profile in the Quebec Family Study. Mol Genet Metab 97(2): 149-54, 2009. PMID: 19329342
- (1011) Bouchard L, Faucher G, Tchernof A, Deshaies Y, Marceau S, Lescelleur O, Biron S, Bouchard C, Perusse L, Vohl MC. Association of *OSBPL11* Gene Polymorphisms with Cardiovascular Disease Risk Factors in Obesity. Obesity 17(7): 1466-72, 2009. PMID: 19325544
- (1012) Rheaume C, Arsenault B, Belanger S, Perusse L, Tremblay A, Bouchard C, Poirier P, Despres JP. Low Cardiorespiratory Fitness Levels and Elevated Blood Pressure: What is the Contribution of Visceral Adiposity? Hypertension 54(1): 91-7, 2009. PMID: 19470873
- (1013) Arsenault B, Cartier A, Cote M, Lemieux I, Tremblay A, Bouchard C, Perusse L, Despres JP. Body Composition, Cardiorespiratory Fitness, and Low-Grade Inflammation in Middle-Aged Men and Women. Am J Cardiol 104(2): 240-6, 2009. PMID: 19576354
- (1014) Joe B, Saad Y, Dhindaw S, Lee NH, Frank BC, Achinike OH, Luu TV, Gopalakrishnan K, Toland EJ, Farms P, Yerga-Woolwine S, Manickavasagam E, Rapp JP, Garrett MR, Coe D, Apte SS, Rankinen T, Perusse L, Ehret GB, Ganesh SK, Cooper RS, O'Connor A, Rice T, Weder AB, Chakravarti A, Rao DC, Bouchard C. Positional identification of variants of *Adams16* linked to inherited hypertension. Hum Mol Genet 18(15): 2825-38, 2009. PMID: 19423552. PMCID: PMC2706685
- (1015) Chen HH, Lee WJ, Fann CS, Bouchard C, Pan WH. Severe obesity is associated with novel single nucleotide polymorphisms of the *ESR1* and *PPARG* locus in Han Chinese. Am J Clin Nutr 90(2):255-62, 2009. PMID: 19491387
- (1016) Ruchat SM, Elks CE, Loos RJF, Vohl MC, Weisnagel SJ, Rankinen T, Bouchard C, Perusse L. Association between insulin secretion, insulin sensitivity and type 2 diabetes susceptibility variants identified in genome-wide association studies. Acta Diabetol 46(3): 217-26, 2009. PMID: 19082521
- (1017) Sjostrom L, Gummesson A, Sjostrom CD, Narbro K, Peltonen M, Wedel H, Bengtsson C, Bouchard C, Carlsson B, Dahlgren S, Jacobson P, Karason K, Karlsson J, Larsson B, Lindroos AK, Lonroth H, Naslund I, Olbers T, Stenlof K, Torgerson J, Carlsson LM for Swedish Obese Subjects Study. Effects of bariatric surgery on cancer incidence in obese patients in Sweden (Swedish Obese Subjects Study): a prospective, controlled intervention trial. Lancet Oncol 10(7):653-62, 2009. PMID: 19556163
- (1018) Choquette AC, Lemieux S, Tremblay A, Drapeau V, Bouchard C, Vohl MC, Perusse L. *GAD2* gene sequence variations are associated with eating behaviors and weight gain in women from the Quebec Family Study. Physiol Behav 98(4): 505-10, 2009. PMID: 19686769

- (1019) Chaput JP, Despres JP, Bouchard C, Astrup A, Tremblay A. Sleep duration as a risk factor for the development of type 2 diabetes or impaired glucose tolerance: Analyses of the Quebec Family Study. Sleep Med 10(8): 919-24, 2009. PMID: 19332380
- (1020) Cartier A, Cote M, Lemieux I, Perusse L, Tremblay A, Bouchard C, Despres JP. Age-related differences in inflammatory markers in men: contribution of visceral adiposity. Metabolism 58(10): 1452-58, 2009. PMID: 19595381
- (1021) Chaput JP, Leblanc C, Perusse L, Despres JP, Bouchard C, Tremblay A. Risk factors for adult overweight and obesity in the Quebec Family Study: Have we been barking up the wrong tree? Obesity 17(10): 1964-70, 2009. PMID: 19360005
- (1022) Stuetz AM, Teran-Garcia M, Rao DC, Rice T, Bouchard C, Rankinen T. Functional indentification of the promoted of *SLC4A5*, a gene associated with cardiovascular and metabolic phenotypes in the HERITAGE Family Study. Eur J Hum Gen 17: 1481-89, 2009. PMID: 19384345. PMCID: PMC2766005.
- (1023) Ruchat SM, Weisnagel SJ, Vohl MC, Rankinen T, Bouchard C, Perusse L. Evidence for interaction between *PPARG* Pro12Ala and *PPARGC1A* Gly482Ser polymorphisms in determining type 2 diabetes intermediate phenotypes in overweight subjects. Exp Clin Endocrinol Diabetes 117: 455-59, 2009. PMID: 19536736.
- (1024) Sisson SB, Katzmarzyk PT, Srinivasan SR, Chen W, Freedman DS, Bouchard C, Berenson GS. Ethnic differences in subcutaneous adiposity and waist girth in children and adolescents. Obesity 17(11): 2075-81, 2009. PMID: 19390519. PMCID: PMC2783504.
- (1025) Sisson SB, Church TS, Martin CK, Tudor-Locke C, Smith SR, Bouchard C, Earnest CP, Rankinen T, Newton RL, Katzmarzyk PK. Profiles of sedentary behavior in children and adolescents: The US National Health and Nutrition Examination Survey, 2001-2006. Int J Pediatr Obesity 4(4):353-9, 2009. PMID: 19922052. PMCID: PMC2891818.
- (1026) Sisson SB, Camhi SM, Church TS, Martin CK, Tudor-Locke C, Bouchard C, Earnest CP, Smith SR, Newton RL, Rankinen TR, Katzmarzyk PK. Leisure time sedentary behavior, occupational/domestic physical activity, and metabolic syndrome in U.S. men and women. Metab Syndr Relat Disord 7(6): 529-36, 2009. PMID: 19900152. PMCID: PMC2796695.
- (1027) Katzmarzyk PT, Bray GA, Greenway FL, Johnson WD, Newton RL, Ravussin E, Ryan DH, Smith SR, Bouchard C. Racial difference in abdominal depot-specific adiposity in white and African American adults. Am J Clin Nutr 91(1): 7-15, 2010. PMID: 19828714.
- (1028) Bouchard C. Defining the genetic architecture of the predisposition to obesity: a challenging but not insurmountable task. Am J Clin Nutr 91(1): 5-6, 2010. PMID: 19939981.



- (1029) Rankinen T, Rice T, Teran-Garcia M, Rao DC, Bouchard C. FTO genotype is associated with exercise training-induced changes in body composition. Obesity 18(2): 322-26, 2010. PMID: 19543202. PMCID: PMC2838609.
- (1030) Ruchat SM, Rankinen T, Weisnagel SJ, Rice T, Rao DC, Bergman RN, Bouchard C, Perusse L. Improvements in glucose homeostasis in response to regular exercise are influenced by the *PPARG* Pro12Ala variant: results from the HERITAGE Family Study. Diabetologia 53(4): 679-689, 2010. PMID: 20043145. PMCID: PMC2840709.
- (1031) Rankinen T, Roth SM, Bray MS, Loos RJ, Peruse L, Wolfarth B, Hagberg JM, Bouchard C. Advances in exercise, fitness, and performance genomics. Med Sci Sports Exer 42(5): 835-46, 2010. PMID: 20400881.
- (1032) Ruchat SM, Vohl MC, Weisnagel SJ, Rankinen T, Bouchard C, Perusse L. Combining genetic markers and clinical risk factors improves the risk assessment of impaired glucose metabolism. Ann Med 42(3): 196-206, 2010. PMID: 20384434.
- (1033) Camhi SM, Katzmarzyk PT, Broyles S, Srinivasa SR, Chen W, Bouchard C, Berenson GS. Predicting adult body mass index-specific metabolic risk from childhood. Metab Syndr Relat Disord 8(2): 165-72, 2010. PMID: 20156071. PMCID: PMC3035100.
- (1034) Heid IM, Huth C, Loos RJ, Kronenberg F, Adamkova V, Anand SS, Ardlie K, Biebermann H, Bjerregaard P, Boeing H, Bouchard C, Ciullo M, Cooper JA, Corella D, Dina C, Engert JC, Fisher E, Francès F, Froguel P, Hebebrand J, Hegele RA, Hinney A, Hoehe MR, Hu FB, Hubacek JA, Humphries SE, Hunt SC, Illig T, Järvelin MR, Kaakinen M, Kollerits B, Krude H, Kumar J, Lange LA, Langer B, Li S, Luchner A, Lyon HN, Meyre D, Mohlke KL, Mooser V, Nebel A, Nguyen TT, Paulweber B, Perusse L, Qi L, Rankinen T, Rosskopf D, Schreiber S, Sengupta S, Sorice R, Suk A, Thorleifsson G, Thorsteinsdottir U, Völzke H, Vimalaswaran KS, Wareham NJ, Waterworth D, Yusuf S, Lindgren C, McCarthy MI, Lange C, Hirschhorn JN, Laird N, Wichmann HE. Meta-analysis of the *INSIG2* association with obesity including 74,345 individuals: does heterogeneity of estimates relate to study design? PLoS Genet 5(10): e1000694, 2009. PMID: 19851442. PMCID: PMC2757909.
- (1035) Broyles S, Katzmarzyk PT, Srinivasan SR, Chen W, Bouchard C, Freedman DS, Berenson GS. The pediatric obesity epidemic continues unabated in Bogalusa, Louisiana. Pediatrics 125(5): 900-5, 2010. PMID: 20368311. PMCID: PMC3023706.
- (1036) Timmons JA, Knudsen S, Rankinen T, Koch LG, Sarzynski M, Jensen T, Keller P, Scheele C, Vollaard NB, Nielsen S, Akerström T, Macdougald OA, Jansson E, Greenhaff PL, Tarnopolsky MA, van Loon LJ, Pedersen BK, Sundberg CJ, Wahlestedt C, Britton SL, Bouchard C. Using molecular classification to predict gains in maximal aerobic capacity following endurance exercise training in humans. J Appl Physiol. 108(6):1487-96, 2010. PMID: 20133430. PMCID: PMC2886694.

See editorial: Bamman MM. Does your (genetic) alphabet soup spell “runner”? J Appl Physiol. 108(6):1452-3, 2010.

- (1037) Döring F, Onur S, Fischer A, Boulay MR, Pérusse L, Rankinen T, Rauramaa R, Wolfarth B, Bouchard C. A common haplotype and the Pro582Ser polymorphism of the hypoxia-inducible factor-1alpha (*HIF1A*) gene in elite endurance athletes. J Appl Physiol. 108(6):1497-500, 2010. PMID: 20299614.

See editorial: Schoenfelder M. Genetics-based performance talent research: Polymorphisms as predictors of endurance performance. J Appl Physiol. 108(6):1454-5, 2010.

- (1038) Ruchat SM, Elks CE, Loos RJ, Vohl MC, Weisnagel SJ, Rankinen T, Bouchard C, Pérusse L. Evidence of interaction between type 2 diabetes susceptibility genes and dietary fat intake for adiposity and glucose homeostasis-related phenotypes. J Nutrigenet Nutrigenomics. 2(4-5):225-34, 2009. PMID: 20215779.
- (1039) Rankinen T, Argyropoulos G, Rice T, Rao DC, Bouchard C. CREB1 is a strong genetic predictor of the variation in exercise heart rate response to regular exercise: The HERITAGE Family Study. Circ Cardiovasc Genet. 3(3):294-9, 2010. PMID: 20407090. PMCID: PMC3045864.
- (1040) Zhu N, Suarez-Lopez JR, Sidney S, Sternfeld B, Schreiner PJ, Carnethon MR, Lewis CE, Crow RS, Bouchard C, Haskell WL, Jacobs DR Jr. Longitudinal examination of age-predicted symptom-limited exercise maximum HR. Med Sci Sports Exerc. 42(8):1519-27, 2010. PMID: 20639723. PMCID: PMC2891874.
- (1041) Döring FE, Onur S, Geisen U, Boulay MR, Pérusse L, Rankinen T, Rauramaa R, Wolfarth B, Bouchard C. ACTN3 R577X and other polymorphisms are not associated with elite endurance athletes in the Genathlete study. J Sports Sci. 28(12): 1355-9, 2010. PMID: 20845221.
- (1042) Gallant AR, Tremblay A, Pérusse L, Bouchard C, Després J-P, Drapeau V. The Three-Factor Eating Questionnaire and BMI in adolescents: Results from the Québec Family Study. Br J Nutr. 104(7): 1074-9, 2010. PMID: 20447324.
- (1043) Do R, Bailey SD, Paré G, Montpetit A, Desbiens K, Hudson TJ, Yusuf S, Bouchard C, Gaudet D, Pérusse L, Andad S, M-C Vohl, Pastinen T, Engert JC. Fine mapping of the insulin-induced gene 2 identifies a variant associated with LDL cholesterol and total apolipoprotein B levels. Circ Cardiovasc Genet. 3(5): 454-61, 2010. PMID: 20858904.
- (1044) Chaput JP, Sjödin AM, Astrup A, Després J-P, Bouchard C, Tremblay A. Risk factors for overweight and obesity: the importance of looking beyond the “big two.” Obes Facts. 3(5): 320-7, 2010. PMID: 20975298.

- (1045) Bouchard C, Katzmarzyk PT, editors. Physical Activity and Obesity, Second Edition. Champaign, IL: Human Kinetics, 2010.
- (1046) Bouchard C, Katzmarzyk PT. Introduction. In: Bouchard C, Katzmarzyk PT, editors. Physical Activity and Obesity, Second Edition. Human Kinetics, Champaign, IL; chapter 1, p 2-6, 2010.
- (1047) Katzmarzyk PT, Bouchard C. Future directions in physical activity and obesity research. In: Bouchard C, Katzmarzyk PT, editors. Physical Activity and Obesity, Second Edition. Human Kinetics, Champaign, IL; chapter 89, p 364-367, 2010.
- (1048) Bouchard C, editor. Progress in Molecular Biology and Translational Science. Volume 94, Genes and Obesity. Oxford: Elsevier, 2010.
- (1049) Bouchard C. Genetics and genomics of obesity: Current status. In: Bouchard C, editor. Progress in Molecular Biology and Translational Science. Volume 94, Genes and Obesity. Elsevier, Oxford; chapter 1, p 1-8, 2010. PMID: 21036320.
- (1050) Sarzynski MA, Rankinen T, Sternfeld B, Grove ML, Fornage M, Jacobs DR Jr, Sidney S, Bouchard C. Association of single-nucleotide polymorphisms from 17 candidate genes with baseline symptom-limited exercise test duration and decrease in duration over 20 years: The Coronary Artery Risk Development in Young Adults (CARDIA) Fitness Study. Circ Cardiovasc Genet. 3(6): 531-8, 2010. PMID: 20952631. PMCID: PMC3595020.
- (1051) Hankinson AL, Daviglus ML, Bouchard C, Carnethon M, Lewis CE, Schreiner PJ, Liu K, Sidney S. Maintaining a high physical activity level over 20 years and weight gain. JAMA. 304(23):2603-10, 2010. PMID: 21156948. PMCID: PMC3864556.
- See also: Hankinson AL, Bouchard C, Liu K. Letters: Reply to Jolley S, Porter B, Amory J. JAMA 305:1297, 2011.
- (1052) Bouchard C, Hoffman EP, editors. Genetic and Molecular Aspects of Sports Performance, Vol. XVIII of the IOC Encyclopaedia of Sports Medicine, an IOC Medical Commission Publication. West Sussex: Wiley-Blackwell, 2011.
- (1053) Sarzynski MA, Rankinen T, Bouchard C. Twin and family studies of training responses. In: Bouchard C, Hoffman EP, editors. Genetic and Molecular Aspects of Sports Performance, Vol. XVIII of the IOC Encyclopaedia of Sports Medicine, an IOC Medical Commission Publication. West Sussex, Wiley-Blackwell; chapter 10, p 110-120, 2011.
- (1054) Rankinen T, Sarzynski MA, Bouchard C. Genes and response to training. In: Bouchard C, Hoffman EP, editors. Genetic and Molecular Aspects of Sports Performance, Vol. XVIII of the IOC Encyclopaedia of Sports Medicine, an IOC Medical Commission Publication. West Sussex, Wiley-Blackwell; chapter 15, p 177-184, 2011.

- (1055) Keller P, Vollaard NBJ, Gustafsson T, Gallagher IJ, Sundberg CJ, Rankinen T, Britton SL, Bouchard C, Koch LG, Timmons JA. A transcriptional map of the impact of endurance training on skeletal muscle phenotype. J Appl Physiol. 110(1):46-59, 2011. PMID: 20930125. PMCID: PMC3253010.

See editorial: Hansson O. Running with regulation. J Appl Physiol. 110(1):13-4, 2011.

- (1056) Camhi SM, Bray GA, Bouchard C, Greenway FL, Johnson WD, Newton RL, Ravussin E, Ryah DH, Smith SR, Katzmarzyk PT. The relationship of waist circumference and BMI to visceral, subcutaneous, and total body fat: Sex and race differences. Obesity. 19(2):402-408, 2011. PMID: 20948514.
- (1057) Bouchard C. Genetics of obesity: Are genetic differences contributing to the obesity epidemic? In: Rios MS, Ordovas JM, Fuentes JAG, editors. Obesity. Barcelona, Elsevier Espana; chapter 4, p 47-64, 2011.
- (1058) Dolley G, Lamarche B, Després JP, Bouchard C, Périusse L, Vohl MC. Investigation of LRP8 gene in 1p31 QTL linked to LDL peak particle diameter in the Quebec family study. Mol Genet Metab. 102(4):448-452, 2011. PMID: 21316997.
- (1059) Broyles ST, Bouchard C, Bray GA, Greenway FL, Johnson WD, Newton RL, Ravussin E, Ryan DH, Smith SR, Katzmarzyk PT. Consistency of fat mass–fat-free mass relationship across ethnicity and sex groups. Br J Nutr. 105(8):1272-1276, 2011. PMID: 21156087.
- (1060) Camhi SM, Katzmarzyk PT, Broyles ST, Srinivasan SR, Chen W, Bouchard C, Berenson GS. Subclinical atherosclerosis and metabolic risk: role of body mass index and waist circumference. Metab Syndr Relat Disord. 9(2):119-125, 2011. PMID: 21133775. PMCID: PMC3125568.
- (1061) Hagberg JM, Rankinen T, Loos RJF, Perusse L, Roth SM, Wolfarth B, Bouchard C. Advances in exercise, fitness, and performance genomics in 2010. Med Sci Sports Exerc. 43(5): 743-52, 2011. PMID: 21499051. PMCID: PMC3951763.
- (1062) Krishnapuram R, Dhurandhar EJ, Dubuisson O, Kirk-Ballard H, Bajpeyi S, Butte N, Sothorn MS, Larsen-Meyer E, Chalew S, Bennett B, Gupta AK, Greenway FL, Johnson W, Brashear M, Reinhart G, Rankinen T, Bouchard C, Cefalu WT, Ye J, Javier R, Zuberi A, Dhurandhar NV. Template to improve glycemic control without reducing adiposity or dietary fat. Am J Physiol Endocrinol Metab. 300(5): E779-89, 2011. PMID: 21266671. PMCID: PMC3093976.
- (1063) Rhéaume C, Arsenault BJ, Dumas MP, Périusse L, Tremblay A, Bouchard C, Poirier P, Després JP. Contributions of cardiorespiratory fitness and visceral adiposity to six-year changes in cardiometabolic risk markers in apparently healthy men and women. J Clin Endocrinol Metab. 96(5):1462-8, 2011. PMID: 21325457.

- (1064) Bouchard C, Sarzynski MA, Rice TK, Kraus WE, Church TS, Sung YJ, Rao DC, Rankinen T. Genomic predictors of the maximal O<sub>2</sub> uptake response to standardized exercise training programs. J Appl Physiol. 110:1160-1170, 2011. PMID: 21183627. PMCID: PMC3098655

See editorial: Pitsiladis Y, Wang G. Necessary advances in exercise genomics and likely pitfalls. J Appl Physiol. 110:1150-1, 2011

- (1065) Sarzynski MA, Jacobson P, Rankinen T, Carlsson B, Sjöström L, Bouchard C, Carlsson LMS. Associations of markers in 11 obesity candidate genes with maximal weight loss and weight regain in the SOS bariatric surgery cases. Int J Obes. 35:676-83, 2011. PMID: 20733583.
- (1066) Church TS, Thomas DM, Tudor-Locke C, Katzmarzyk PT, Earnest CP, Rodarte RQ, Martin CK, Blair SN, Bouchard C. Trends over 5 decades in U.S. occupation-related physical activity and their associations with obesity. PLoS ONE. 6(5):e19657, 2011. PMID: 21647427. PMCID: PMC3102055.
- (1067) Hu G, Bouchard C, Bray GA, Greenway FL, Johnson WD, Newton RL Jr, Ravussin E, Ryan DH, Katzmarzyk PT. Trunk versus extremity adiposity and cardiometabolic risk factors in white and African American adults. Diabetes Care. 34:1415-8, 2011. PMID: 21505210. PMCID: PMC3114357.
- (1068) Katzmarzyk PT, Bray GA, Greenway FL, Johnson WD, Newton RL Jr, Ravussin E, Ryan DH, Bouchard C. Ethnic-specific BMI and waist circumference thresholds. Obesity. 19(6):1272-8, 2011. PMID: 21212770. PMCID: PMC3933952.
- (1069) Sarzynski MA, Jacobson P, Rankinen T, Carlsson B, Sjöström L, Carlsson LM, Bouchard C. Association of GWAS-based candidate genes with HDL-cholesterol levels before and after bariatric surgery in the Swedish Obese Subjects Study. J Clin Endocrinol Metab. 96(6):E953-7, 2011. PMID: 21430028.
- See editorial: Rother KI, Brown RJ. Selecting weight loss surgery based on HDL genotype—Are we there yet? At the brink of “personalized surgery.” J Clin Endocrinol Metab. 96(6):1664-7, 2011.
- (1070) Bouchard C, Sarzynski MA, Rankinen T, Carlsson LMS, Jacobson P, Carlsson B, Sjöström L. Corrigendum: Association of GWAS-based candidate genes with HDL-cholesterol levels before and after bariatric surgery in the Swedish Obese Subjects Study. J Clin Endocrinol Metab. Published online March 15, 2012.
- (1071) Dolley G, Boisclair ME, Lamarche B, Després JP, Bouchard C, Périus L, Vohl MC. Interactions between dietary fat intake and FASN genetic variation influence LDL peak particle diameter. J Nutrigenet Nutrigenomics. 4(3):137-45, 2011. PMID: 21646813.

- (1072) Bouchard C, Rankinen T, Timmons JA. Genomics and genetics in the biology of adaptation to exercise. Compr Physiol. 1:1603-1648, 2011. PMID: 23733655. PMCID: PMC3938186.
- (1073) Sarzynski MA, Rankinen T, Sternfeld B, Fornage M, Sidney S, Bouchard C. SNP-by-fitness and SNP-by-BMI interactions from seven candidate genes and incident hypertension after 20 years of follow-up: the CARDIA Fitness Study. J Hum Hypertens. 25(8):509-18, 2011. PMID: 20944660. PMCID: PMC3034111.
- (1074) Zhu N, Jacobs DR Jr, Sidney S, Sternfeld B, Carnethon M, Lewis CE, Shay CM, Sood A, Bouchard C. Fat mass modifies the association of fat-free mass with symptom-limited treadmill duration in the Coronary Artery Risk Development in Young Adults (CARDIA) Study. Am J Clin Nutr. 94(2):385-91, 2011. PMID: 21653799. PMCID: PMC3142718.
- (1075) Rankinen T, Bouchard C. Genetic predictors of exercise training response. Curr Cardiovasc Risk Rep. 5:368-72, 2011.
- (1076) Bouchard C. Overcoming barriers to progress in exercise genomics. Exerc Sport Sci Rev. 39(4):212-217, 2011. PMID:21697717. PMCID: PMC3183378.
- (1077) Chaput JP, Despres JP, Bouchard C, Tremblay A. The association between short sleep duration and weight gain is dependent on disinhibited eating behavior in adults. Sleep. 34(10):1291-7, 2011. PMID: 21966060. PMCID: PMC3174831.
- (1078) Kilpeläinen TO, Qi L, Brage S, Sharp SJ, Sonestedt E, Demerath E, Ahmad T, Mora S, Kaakinen M, Sandholt CH, Holzapfel C, Autenrieth CS, Hyppönen E, Cauchi S, He M, Kutalik Z, Kumari M, Stančáková A, Meidtnier K, Balkau B, Tan JT, Mangino M, Timpson NJ, Song Y, Zillikens MC, Jablonski KA, Garcia ME, Johansson S, Bragg-Gresham JL, Wu Y, van Vliet-Ostaptchouk JV, Onland-Moret NC, Zimmermann E, Rivera NV, Tanaka T, Stringham HM, Silbernagel G, Kanoni S, Feitosa MF, Snitker S, Ruiz JR, Metter J, Larrad MT, Atalay M, Hakanen M, Amin N, Cavalcanti-Proença C, Grøntved A, Hallmans G, Jansson JO, Kuusisto J, Kähönen M, Lutsey PL, Nolan JJ, Palla L, Pedersen O, Pérusse L, Renström F, Scott RA, Shungin D, Sovio U, Tammelin TH, Rönnemaa T, Lakka TA, Uusitupa M, Rios MS, Ferrucci L, **Bouchard C**, Meirhaeghe A, Fu M, Walker M, Borecki IB, Dedoussis GV, Fritsche A, Ohlsson C, Boehnke M, Bandinelli S, van Duijn CM, Ebrahim S, Lawlor DA, Gudnason V, Harris TB, Sørensen TI, Mohlke KL, Hofman A, Uitterlinden AG, Tuomilehto J, Lehtimäki T, Raitakari O, Isomaa B, Njølstad PR, Florez JC, Liu S, Ness A, Spector TD, Tai ES, Froguel P, Boeing H, Laakso M, Marmot M, Bergmann S, Power C, Khaw KT, Chasman D, Ridker P, Hansen T, Monda KL, Illig T, Järvelin MR, Wareham NJ, Hu FB, Groop LC, Orho-Melander M, Ekelund U, Franks PW, Loos RJ. Physical activity attenuates the influence of FTO variants on obesity risk: A meta-analysis of 218,166 adults and 19,268 children. PLoS Med. 8(11):e1001116, 2011. PMID: 22069379. PMCID: PMC3206047
- (1079) Döring F, Onur S, Kürbitz C, Boulay MR, Pérusse L, Rankinen T, Rauramaa R, Wolfarth B, Bouchard C. Single nucleotide polymorphisms in the myostatin (MSTN) and muscle

- creatine kinase (CKM) genes are not associated with elite endurance performance. Scand J Med Sci Sports. 21(6):841-5, 2011. PMID: 20536908.
- (1080) Huot M, Arsenault BJ, Gaudreault V, Poirier P, Pérusse L, Tremblay A, Bouchard C, Després JP, Rhéaume C. Insulin resistance, low cardiorespiratory fitness, and increased exercise blood pressure: contribution of abdominal obesity. Hypertension. 58(6):1036-42, 2011. PMID: 22025379.
- (1081) Newton RL Jr, Bouchard C, Bray G, Greenway F, Johnson WD, Ravussin E, Ryan D, Katzmarzyk PT. Abdominal adiposity depots are correlates of adverse cardiometabolic risk factors in Caucasian and African-American adults. Nutr Diabetes. 1:e2, 2011. PMID: 23154294. PMCID: PMC3302129.
- (1082) Choquette AC, Bouchard L, Drapeau V, Lemieux S, Tremblay A, Bouchard C, Vohl MC, Pérusse L. Association between olfactory receptor genes, eating behavior traits and adiposity: Results from the Quebec Family Study. Physiol Behav. 105(3):772-6, 2012. PMID: 22044667.
- (1083) Sjostrom L, Peltonen M, Jacobson P, Sjostrom CD, Karason K, Wedel H, Ahlin S, Anveden A, Bengtsson C, Bergmark G, Bouchard C, Carlsson B, Dahlgren S, Karlsson J, Lindroos A-K, Lonroth H, Narbro K, Naslund I, Olbers T, Svensson P-A, Carlsson LMS. Bariatric surgery and long-term cardiovascular events. JAMA. 307(1): 56-65, 2012. PMID: 22215166.
- See editorial: Livingston EH. Inadequacy of BMI as an indicator for bariatric surgery. JAMA. 307(1):88-89, 2012. PMID: 22215170.
- (1084) Sung YJ, Wang L, Rankinen T, Bouchard C, Rao DC. Performance of genotype imputations using data from the 1000 Genomes Project. Hum Hered. 73(1):18-25, 2012. PMID: 22212296. PMCID: PMC3322630.
- (1085) Chaput J.-P., Despres J.-P., Bouchard C, Tremblay A. Short sleep duration preferentially increases abdominal adiposity in adults: preliminary evidence. Clin Obes. 1:141-146, 2011.
- (1086) Rankinen T, Sung YJ, Sarzynski MA, Rice TK, Rao DC, Bouchard C. Heritability of submaximal exercise heart rate response to exercise training is accounted for by nine SNPs. J Appl Physiol. 112(5):892-7, 2012. PMID: 22174390. PMCID: PMC3311659.
- (1087) Bouchard C, Blair SN, Haskell WL, editors. Physical Activity and Health, second edition. Champaign, IL: Human Kinetics, 2012.
- (1088) Bouchard C, Blair SN, Haskell WL. Why study physical activity and health? In: Bouchard C, Blair SN, Haskell WL, editors. Physical Activity and Health, second edition. Human Kinetics, Champaign, IL; chapter 1, p 2-20, 2012.

- (1089) Rankinen T, Bouchard C. Genetic differences in the relationships among physical activity, fitness, and health. In: Bouchard C, Blair SN, Haskell WL, editors. Physical Activity and Health, second edition. Human Kinetics, Champaign, IL; chapter 24, p 381-408, 2012.
- (1090) Haskell WL, Blair SN, Bouchard C. An integrated view of physical activity, fitness, and health. In: Bouchard C, Blair SN, Haskell WL, editors. Physical Activity and Health, second edition. Human Kinetics, Champaign, IL; chapter 25, p 409-25, 2012.
- (1091) Bouchard C. Genomic predictors of trainability. Exp Physiol. 97(3):347-52, 2012. PMID: 21967902
- (1092) Roth SM, Rankinen T, Hagberg JM, Loos RJF, Perusse L, Sarzynski MA, Wolfarth B, Bouchard C. Advances in exercise, fitness, and performance genomics in 2011. Med Sci Sports Exerc. 44(5): 809-17, 2012. PMID: 22330029. PMCID: PMC3994883.
- (1093) Barreira TV, Staiano AE, Harrington DM, Heymsfield SB, Smith SR, Bouchard C, Katzmarzyk PT. Anthropometric correlates of total body fat, abdominal adiposity, and cardiovascular disease risk factors in a biracial sample of men and women. Mayo Clin Proc. 87(5):452-60, 2012. PMID: 22560524. PMCID: PMC3498102.
- (1094) Manning AK, Hivert MF, Scott RA, Grimsby JL, Bouatia-Naji N, Chen H, Rybin D, Liu CT, Bielak LF, Prokopenko I, Amin N, Barnes D, Cadby G, Hottenga JJ, Ingelsson E, Jackson AU, Johnson T, Kanoni S, Ladenvall C, Lagou V, Lahti J, Lecoeur C, Liu Y, Martinez-Larrad MT, Montasser ME, Navarro P, Perry JR, Rasmussen-Torvik LJ, Salo P, Sattar N, Shungin D, Strawbridge RJ, Tanaka T, van Duijn CM, An P, de Andrade M, Andrews JS, Aspelund T, Atalay M, Aulchenko Y, Balkau B, Bandinelli S, Beckmann JS, Beilby JP, Bellis C, Bergman RN, Blangero J, Boban M, Boehnke M, Boerwinkle E, Bonnycastle LL, Boomsma DI, Borecki IB, Böttcher Y, **Bouchard C**, Brunner E, Budimir D, Campbell H, Carlson O, Chines PS, Clarke R, Collins FS, Corbatón-Anchuelo A, Couper D, de Faire U, Dedoussis GV, Deloukas P, Dimitriou M, Egan JM, Eiriksdottir G, Erdos MR, Eriksson JG, Eury E, Ferrucci L, Ford I, Forouhi NG, Fox CS, Franzosi MG, Franks PW, Frayling TM, Froguel P, Galan P, de Geus E, Gigante B, Glazer NL, Goel A, Groop L, Gudnason V, Hallmans G, Hamsten A, Hansson O, Harris TB, Hayward C, Heath S, Hercberg S, Hicks AA, Hingorani A, Hofman A, Hui J, Hung J, Jarvelin MR, Jhun MA, Johnson PC, Jukema JW, Jula A, Kao WH, Kaprio J, Kardina SL, Keinänen-Kiukaanniemi S, Kivimäki M, Kolcic I, Kovacs P, Kumari M, Kuusisto J, Kyvik KO, Laakso M, Lakka T, Lannfelt L, Lathrop GM, Launer LJ, Leander K, Li G, Lind L, Lindstrom J, Lobbens S, Loos RJ, Luan J, Lyssenko V, Mägi R, Magnusson PK, Marmot M, Meneton P, Mohlke KL, Mooser V, Morken MA, Miljkovic I, Narisu N, O'Connell J, Ong KK, Oostra BA, Palmer LJ, Palotie A, Pankow JS, Peden JF, Pedersen NL, Pehlic M, Peltonen L, Penninx B, Pericic M, Perola M, Perusse L, Peyser PA, Polasek O, Pramstaller PP, Province MA, Rääkkönen K, Rauramaa R, Rehnberg E, Rice K, Rotter JJ, Rudan I, Ruukonen A, Saaristo T, Sabater-Lleal M, Salomaa V, Savage DB, Saxena R, Schwarz P, Sedorf U, Sennblad B, Serrano-Rios M, Shuldiner AR, Sijbrands EJ, Siscovick DS, Smit JH, Small KS, Smith NL, Smith AV, Stančáková A, Stirrups K,



- Stumvoll M, Sun YV, Swift AJ, Tönjes A, Tuomilehto J, Trompet S, Uitterlinden AG, Uusitupa M, Vikström M, Vitart V, Vohl MC, Voight BF, Vollenweider P, Waeber G, Waterworth DM, Watkins H, Wheeler E, Widen E, Wild SH, Willems SM, Willemssen G, Wilson JF, Witteman JC, Wright AF, Yaghootkar H, Zelenika D, Zemunik T, Zgaga L; DIABetes Genetics Replication And Meta-analysis (DIAGRAM) Consortium; The Multiple Tissue Human Expression Resource (MUTHER) Consortium, Wareham NJ, McCarthy MI, Barroso I, Watanabe RM, Florez JC, Dupuis J, Meigs JB, Langenberg C. A genome-wide approach accounting for body mass index identifies genetic variants influencing fasting glycemic traits and insulin resistance. *Nat Genet.* 13;44(6):659-669, 2012. PMID: 22581228. PMCID: PMC3613127.
- (1095) Bouchard C, Blair SN, Church TS, Earnest CP, Hagberg JM, Häkkinen K, Jenkins NT, Karavirta L, Kraus WE, Leon AS, Rao DC, Sarzynski MA, Skinner JS, Slentz CA, Rankinen T. Adverse metabolic response to regular exercise: is it a rare or common occurrence? *PLoS One.* 7(5):e37887, 2012. PMID: 22666405. PMCID: PMC3364277.
- (1096) Chaput JP, Després JP, Bouchard C, Tremblay A. Longer sleep duration associates with lower adiposity gain in adult short sleepers. *Int J Obes.* 36(5):752-6, 2012. PMID: 21654631.
- (1097) Bouchard C, Ordovas JM, editors. Progress in Molecular Biology and Translational Science. Volume 108, Recent Advances in Nutrigenetics and Nutrigenomics. Oxford: Elsevier, 2012.
- (1098) Bouchard C, Ordovas JM. Fundamentals of nutrigenetics and nutrigenomics. In Bouchard C, Ordovas JM, editors. Progress in Molecular Biology and Translational Science. Volume 108, Recent Advances in Nutrigenetics and Nutrigenomics. Elsevier, Oxford; chapter 1, p 1-15, 2012. PMID: 22656371.
- (1099) Rankinen T, Bouchard C. Gene-exercise interactions. In Bouchard C, Ordovas JM, editors. Progress in Molecular Biology and Translational Science. Volume 108, Recent Advances in Nutrigenetics and Nutrigenomics. Elsevier, Oxford; chapter 17, p 447-60, 2012. PMID: 22656387.
- (1100) Chaput JP, McNeil J, Després JP, Bouchard C, Tremblay A. Short sleep duration is associated with greater alcohol consumption in adults. *Appetite.* 59(3):650-5, 2012. PMID: 22841812.
- (1101) Carlsson LM, Peltonen M, Ahlin S, Anveden Å, Bouchard C, Carlsson B, Jacobson P, Lönroth H, Maglio C, Näslund I, Pirazzi C, Romeo S, Sjöholm K, Sjöström E, Wedel H, Svensson PA, Sjöström L. Bariatric surgery and prevention of type 2 diabetes in Swedish obese subjects. *N Engl J Med.* 367(8):695-704, 2012. PMID: 22913680.
- (1102) Rice TK, Sarzynski MA, Sung YJ, Argyropoulos G, Stütz AM, Teran-Garcia M, Rao DC, Bouchard C, Rankinen T. Fine mapping of a QTL on chromosome 13 for submaximal

- exercise capacity training response: the HERITAGE Family Study. Eur J Appl Physiol. 112(8):2969-78, 2012. PMID: 22170014.
- (1103) Katzmarzyk PT, Mire E, Bouchard C. Abdominal obesity and mortality: The Pennington Center Longitudinal Study. Nutr Diab. 2(8):e42, 2012. PMID: 23168527. PMCID: PMC3432185.
- (1104) Thomas DM, Bouchard C, Church T, Slentz C, Kraus WE, Redman LM, Martin CK, Silva AM, Vossen M, Westerterp K, Heymsfield SB. Why do individuals not lose more weight from an exercise intervention at a defined dose? An energy balance analysis. Obes Rev. 13(10):835-47, 2012. PMID: 22681398. PMCID: PMC3771367.
- (1105) Sarzynski MA, Jacobson P, Rankinen T, Carlsson B, Sjostrom L, Bouchard C, Carlsson LMS. Changes in uric acid levels following bariatric surgery are not associated with SLC2A9 variants in the Swedish Obese Subjects Study. PLoS One. 7(12):e51658, 2012. PMID: 23272134. PMCID: PMC3522707.
- (1106) Gallant AR, Tremblay A, Périusse L, Després JP, Bouchard C, Drapeau V. Past dieting is related to rigid control and disinhibition in adolescents from the Québec family study. Br J Nutr. 108(11):1976-9, 2012. PMID: 22369701.
- (1107) Saunders TJ, Tremblay MS, Després JP, Bouchard C, Tremblay A, Chaput JP. Sedentary behaviour, visceral fat accumulation and cardiometabolic risk in adults: a 6-year longitudinal study from the Quebec Family Study. PLoS One. 8:e54225, 2013. PMID: 23326600. PMCID: PMC3541147.
- (1108) Katzmarzyk PT, Heymsfield SB, Bouchard C. Clinical utility of visceral adipose tissue for the identification of cardiometabolic risk in white and African American Adults. Am J Clin Nutr. 97(3):480-6, 2013. PMID: 23364010. PMCID: PMC3578400.
- (1109) Plourde M, Vohl MC, Bellis C, Carless M, Dyer T, Dolley G, Marette A, Després JP, Bouchard C, Blangero J, Périusse L. A variant in the LRRFIP1 gene is associated with adiposity and inflammation. Obesity (Silver Spring). 21(1):185-92, 2013. PMID: 23505185.
- (1110) Phillips BE, Williams JP, Gustafsson T, Bouchard C, Rankinen T, Knudsen S, Smith K, Timmons JA, Atherton PJ. Molecular networks of human muscle adaptation to exercise and age. PLoS Genet. 9(3):e1003389, 2013. PMID: 23555298. PMCID: PMC3605101.
- (1111) Périusse L, Rankinen T, Hagberg JM, Loos RJ, Roth SM, Sarzynski MA, Wolfarth B, Bouchard C. Advances in exercise, fitness, and performance genomics in 2012. Med Sci Sports Exerc. 45(5):824-31, 2013. PMID: 23470294. PMCID: PMC3640622.
- (1112) den Hoed M, Eijgelsheim M, Esko T, Brundel BJ, Peal DS, Evans DM, Nolte IM, Segrè AV, Holm H, Handsaker RE, Westra HJ, Johnson T, Isaacs A, Yang J, Lundby A, Zhao JH, Kim YJ, Go MJ, Almgren P, Bochud M, Boucher G, Cornelis MC, Gudbjartsson D,

Hadley D, van der Harst P, Hayward C, den Heijer M, Igl W, Jackson AU, Kutalik Z, Luan J, Kemp JP, Kristiansson K, Ladenvall C, Lorentzon M, Montasser ME, Njajou OT, O'Reilly PF, Padmanabhan S, St Pourcain B, Rankinen T, Salo P, Tanaka T, Timpson NJ, Vitart V, Waite L, Wheeler W, Zhang W, Draisma HH, Feitosa MF, Kerr KF, Lind PA, Mihailov E, Onland-Moret NC, Song C, Weedon MN, Xie W, Yengo L, Absher D, Albert CM, Alonso A, Arking DE, de Bakker PI, Balkau B, Barlassina C, Benaglio P, Bis JC, Bouatia-Naji N, Brage S, Chanock SJ, Chines PS, Chung M, Darbar D, Dina C, Dörr M, Elliott P, Felix SB, Fischer K, Fuchsberger C, de Geus EJ, Goyette P, Gudnason V, Harris TB, Hartikainen AL, Havulinna AS, Heckbert SR, Hicks AA, Hofman A, Holewijn S, Hoogstra-Berends F, Hottenga JJ, Jensen MK, Johansson A, Junttila J, Kääb S, Kanon B, Ketkar S, Khaw KT, Knowles JW, Kooner AS, Kors JA, Kumari M, Milani L, Laiho P, Lakatta EG, Langenberg C, Leusink M, Liu Y, Luben RN, Lunetta KL, Lynch SN, Markus MR, Marques-Vidal P, Mateo Leach I, McArdle WL, McCarroll SA, Medland SE, Miller KA, Montgomery GW, Morrison AC, Müller-Nurasyid M, Navarro P, Nelis M, O'Connell JR, O'Donnell CJ, Ong KK, Newman AB, Peters A, Polasek O, Pouta A, Pramstaller PP, Psaty BM, Rao DC, Ring SM, Rossin EJ, Rudan D, Sanna S, Scott RA, Sehmi JS, Sharp S, Shin JT, Singleton AB, Smith AV, Soranzo N, Spector TD, Stewart C, Stringham HM, Tarasov KV, Uitterlinden AG, Vandenput L, Hwang SJ, Whitfield JB, Wijmenga C, Wild SH, Willemsen G, Wilson JF, Witteman JC, Wong A, Wong Q, Jamshidi Y, Zitting P, Boer JM, Boomsma DI, Borecki IB, van Duijn CM, Ekelund U, Forouhi NG, Froguel P, Hingorani A, Ingelsson E, Kivimäki M, Kronmal RA, Kuh D, Lind L, Martin NG, Oostra BA, Pedersen NL, Quertermous T, Rotter JI, van der Schouw YT, Verschuren WM, Walker M, Albanes D, Arner DO, Assimes TL, Bandinelli S, Boehnke M, de Boer RA, **Bouchard C**, Caulfield WL, Chambers JC, Curhan G, Cusi D, Eriksson J, Ferrucci L, van Gilst WH, Glorioso N, de Graaf J, Groop L, Gyllenstein U, Hsueh WC, Hu FB, Huikuri HV, Hunter DJ, Iribarren C, Isomaa B, Jarvelin MR, Jula A, Kähönen M, Kiemeny LA, van der Klauw MM, Kooner JS, Kraft P, Iacoviello L, Lehtimäki T, Lokki ML, Mitchell BD, Navis G, Nieminen MS, Ohlsson C, Poulter NR, Qi L, Raitakari OT, Rimm EB, Rioux JD, Rizzi F, Rudan I, Salomaa V, Sever PS, Shields DC, Shuldiner AR, Sinisalo J, Stanton AV, Stolk RP, Strachan DP, Tardif JC, Thorsteinsdottir U, Tuomilehto J, van Veldhuisen DJ, Virtamo J, Viikari J, Vollenweider P, Waeber G, Widen E, Cho YS, Olsen JV, Visscher PM, Willer C, Franke L; Global BPgen Consortium; CARDIoGRAM Consortium, Erdmann J, Thompson JR; PR GWAS Consortium, Pfeufer A; QRS GWAS Consortium, Sotoodehnia N; QT-IGC Consortium, Newton-Cheh C; CHARGE-AF Consortium, Ellinor PT, Stricker BH, Metspalu A, Perola M, Beckmann JS, Smith GD, Stefansson K, Wareham NJ, Munroe PB, Sibon OC, Milan DJ, Snieder H, Samani NJ, Loos RJ. Identification of heart rate-associated loci and their effects on cardiac conduction and rhythm disorders. *Nat Genet.* 45(6):621-31, 2013. PMID: 23583979. PMCID: PMC3696959.

- (1113) Katzmarzyk PT, Mire E, Bray GA, Greenway FL, Heymsfield SB, Bouchard C. Anthropometric markers of obesity and mortality in white and African American adults: The pennington center longitudinal study. *Obesity (Silver Spring)*. 21(5):1070-5, 2013. PMID: 23784912. PMCID: PMC3695407.

- (1114) Staiano AE, Bouchard C, Katzmarzyk PT. BMI-specific waist circumference thresholds to discriminate elevated cardiometabolic risk in White and African American adults. Obesity Facts. 6:317-324, 2013. PMID: 23970141.
- (1115) Sarzynski MA, Rankinen T, Earnest CP, Leon AS, Rao DC, Skinner JS, Bouchard C. Measured maximal heart rates compared to commonly used age-based prediction equations in the Heritage Family Study. Am J Hum Biol. 25(5):695-701, 2013. PMID: 23913510. PMID: PMC3935487.
- (1116) Chaput JP, McNeil J, Després JP, Bouchard C, Tremblay A. Seven to eight hours of sleep a night is associated with a lower prevalence of the metabolic syndrome and reduced overall cardiometabolic risk in adults. PLoS One. 8(9):e72832, 2013. PMID: 24039808. PMID: PMC3764138.
- (1117) Katzmarzyk PT, Hu G, Cefalu WT, Mire E, Bouchard C. The importance of waist circumference and BMI for mortality risk in diabetic adults. Diabetes Care. 36(10):3128-30, 2013. PMID: 23757429. PMID: PMC3781507.
- (1118) Katzmarzyk PT, Bouchard C. Physique, adiposity and risk for chronic disease. In: Katzmarzyk PT, e Silva MJC, editors. Growth and Maturation in Human Biology and Sports: Festschrift Honoring Robert M. Malina by Fellow and Colleagues. Coimbra University Press, Coimbra, Portugal; chapter 11, p 139-45, 2013.
- (1119) Sarzynski MA, Bouchard C. The challenging chase for nutrigenetic predictors of metabolic responses to dietary interventions. Diabetes Care. 36:3379-81, 2013. PMID: 24159178. PMID: PMC3816865.
- (1120) Ghosh S, Vivar JC, Sarzynski MA, Sung YJ, Timmons JA, Bouchard C, Rankinen T. Integrative pathway analysis of a genome-wide association study of VO<sub>2</sub>max response to exercise training. J Appl Physiol. 115(9):1343-59, 2013. PMID: 23990238. PMID: PMC3841836.
- (1121) Gallant AR, Tremblay A, Périus L, Després JP, Bouchard C, Drapeau V. Parental eating behavior traits are related to offspring BMI in the Québec Family Study. Int J Obes (Lond). 37(11):1422-6, 2013. PMID: 23399776.
- (1122) Chaput JP, McNeil J, Després JP, Bouchard C, Tremblay A. Short sleep duration as a risk factor for the development of the metabolic syndrome in adults. Prev Med. 57(6):872-7, 2013. PMID: 24099879.
- (1123) Katzmarzyk PT, Greenway FL, Heymsfield SB, Bouchard C. Clinical utility and reproducibility of visceral adipose tissue measurements derived from dual-energy X-ray absorptiometry in white and African American adults. Obesity (Silver Spring). 21(11):2221-4, 2013. PMID: 23794256. PMID: PMC3819404.

- (1124) Thomas DM, Martin CK, Lettieri S, Bredlau C, Kaiser K, Church T, Bouchard C, Heymsfield SB. Can a weight loss of one pound a week be achieved with a 3500-kcal deficit? Commentary on a commonly accepted rule. Int J Obes (Lond). 37(12):1611-3, 2013. PMID: 23628852. PMCID: PMC4024447.

See also: Hall KD, Chow CC. Why is the 3500 kcal per pound weight loss rule wrong? Int J Obes (Lond). 37(12):1614, 2013. PMID: 23774459. PMCID: PMC3859816.

Thomas DM, Martin CK, Lettieri S, Bredlau C, Kaiser K, Church T, Bouchard C, Heymsfield SB. Response to 'Why is the 3500 kcal per pound weight loss rule wrong?'. Int J Obes (Lond). 37(12):1614-5, 2013. PMID: 23774461.

- (1125) Roberts LD, Boström P, O'Sullivan JF, Schinzel RT, Lewis GD, Dejam A, Lee YK, Palma MJ, Calhoun S, Georgiadi A, Chen MH, Ramachandran VS, Larson MG, Bouchard C, Rankinen T, Souza AL, Clish CB, Wang TJ, Estall JL, Soukas AA, Cowan CA, Spiegelman BM, Gerszten RE.  $\beta$ -Aminoisobutyric Acid induces browning of white fat and hepatic  $\beta$ -oxidation and is inversely correlated with cardiometabolic risk factors. Cell Metab. 19(1):96-108, 2014. PMID: 24411942.
- (1126) Thomas DM, Weedermann M, Fuemmeler BF, Martin CK, Dhurandhar NV, Bredlau C, Heymsfield SB, Ravussin E, Bouchard C. Dynamic model predicting overweight, obesity, and extreme obesity prevalence trends. Obesity (Silver Spring). 22(2):590-7, 2014. PMID: 23804487.
- (1127) Chaput JP, Perusse L, Despres JP, Tremblay A, Bouchard C. Findings from the Quebec Family Study on the etiology of obesity: Genetics and environmental highlights. Curr Obes Rep. 3:54-66, 2014. PMID: 24533236.
- (1128) Bouchard C, Tchernof A, Tremblay A. Predictors of body composition and body energy changes in response to chronic overfeeding. Int J Obes (Lond). 38(2):236-42, 2014. PMID: 23736367.
- (1129) Bray GA, Bouchard C, editors. Handbook of Obesity: Epidemiology, Etiology, and Physiopathology, Third Edition. Boca Raton, FL: CRC Press, 2014. 736 pages.
- (1130) Perusse L, Rice TK, Bouchard C. Genetic component to obesity: Evidence from genetic epidemiology. In: Bray GA, Bouchard C, editors. Handbook of Obesity: Epidemiology, Etiology, and Physiopathology, Third Edition. Boca Raton, FL: CRC Press, 2014. p. 91-104.
- (1131) Bray GA, Bouchard C, editors. Handbook of Obesity: Clinical Applications, Fourth Edition. Boca Raton, FL: CRC Press, 2014. 528 pages.
- (1132) Zhu N, Jacobs DR Jr, Schreiner PJ, Yaffe K, Bryan N, Launer LJ, Whitmer RA, Sidney S, Demerath E, Thomas W, Bouchard C, He K, Reis J, Sternfeld B. Cardiorespiratory fitness

- and cognitive function in middle age: The CARDIA Study. Neurology. 82(15):1339-46, 2014. PMID: 24696506.
- (1133) Sung YJ, Schwander K, Arnett DK, Kardina SL, Rankinen T, Bouchard C, Boerwinkle E, Hunt SC, Rao DC. An empirical comparison of meta-analysis and mega-analysis of individual participant data for identifying gene-environment interactions. Genet Epidemiol. 38(4):369-78, 2014. PMID: 24719363.
- (1134) Wolfarth B, Rankinen T, Hagberg JM, Loos RJ, Pérusse L, Roth SM, Sarzynski MA, Bouchard C. Advances in exercise, fitness, and performance genomics in 2013. Med Sci Sports Exerc. 46(5):851-9, 2014. PMID: 24743105.
- (1135) Bouchard C, Malina RM. Genomics, genetics, and exercise biology. In: Tipton CM, editor. History of Exercise Physiology. Champaign, IL: Human Kinetics, 2014. p. 105-135.
- (1136) Chaput JP, Bouchard C, Tremblay A. Change in sleep duration and visceral fat accumulation over 6 years in adults. Obesity (Silver Spring). 22(5):E9-E12, 2014. PMID: 24420871.
- (1137) Raja GK, Sarzynski MA, Katzmarzyk PT, Johnson WD, Tchoukalova Y, Smith SR, Bouchard C. Commonality versus specificity among adiposity traits in normal-weight and moderately overweight adults. Int J Obes (Lond). 38(5):719-23, 2014. PMID: 23949614.
- (1138) Vassy JL, Hivert MF, Porneala B, Dauriz M, Florez JC, Dupuis J, Siscovick DS, Fornage M, Rasmussen-Torvik LJ, Bouchard C, Meigs JB. Polygenic type 2 diabetes prediction at the limit of common variant detection. Diabetes. 63(6):2172-82, 2014. PMID: 24520119.
- (1139) Vassy JL, Hivert MF, Porneala B, et al. Erratum to: Polygenic type 2 diabetes prediction at the limit of common variant detection. Diabetes 2014;63:2172-2182. Diabetes 2018;67: 1206. PMID: 29669744.
- (1140) Tan LJ, Zhu H, He H, Wu KH, Li J, Chen XD, Zhang JG, Shen H, Tian Q, Krousel-Wood M, Papasian CJ, Bouchard C, Pérusse L, Deng HW. Replication of 6 obesity genes in a meta-analysis of genome-wide association studies from diverse ancestries. PLoS One. 9(5):e96149, 2014. PMID: 24879436.
- (1141) Katzmarzyk PT, Bouchard C. Where is the beef? Waist circumference is more highly correlated with BMI and total body fat than with abdominal visceral fat in children. Int J Obes. 38:753-54, 2014. PMID: 24018751.
- (1142) Sjöström L, Peltonen M, Jacobson P, Ahlin S, Andersson-Assarsson J, Anveden A, Bouchard C, Carlsson B, Karason K, Lönroth H, Näslund I, Sjöström E, Taube M, Wedel H, Svensson PA, Sjöholm K, Carlsson LM. Association of bariatric surgery with long-

- term remission of type 2 diabetes and with microvascular and macrovascular complications. *JAMA*. 311(22):2297-304, 2014. PMID: 24915261.
- (1143) Simino J, Shi G, Bis JC, Chasman DI, Ehret GB, Gu X, Guo X, Hwang SJ, Sijbrands E, Smith AV, Verwoert GC, Bragg-Gresham JL, Cadby G, Chen P, Cheng CY, Corre T, de Boer RA, Goel A, Johnson T, Khor CC; LifeLines Cohort Study, Lluís-Ganella C, Luan J, Lyytikäinen LP, Nolte IM, Sim X, Söber S, van der Most PJ, Verweij N, Zhao JH, Amin N, Boerwinkle E, **Bouchard C**, Dehghan A, Eiriksdottir G, Elosua R, Franco OH, Gieger C, Harris TB, Herberg S, Hofman A, James AL, Johnson AD, Kähönen M, Khaw KT, Kutalik Z, Larson MG, Launer LJ, Li G, Liu J, Liu K, Morrison AC, Navis G, Ong RT, Papanicolaou GJ, Penninx BW, Psaty BM, Raffel LJ, Raitakari OT, Rice K, Rivadeneira F, Rose LM, Sanna S, Scott RA, Siscovick DS, Stolk RP, Uitterlinden AG, Vaidya D, van der Klauw MM, Vasana RS, Vithana EN, Völker U, Völzke H, Watkins H, Young TL, Aung T, Bochud M, Farrall M, Hartman CA, Laan M, Lakatta EG, Lehtimäki T, Loos RJ, Lucas G, Meneton P, Palmer LJ, Rettig R, Snieder H, Tai ES, Teo YY, van der Harst P, Wareham NJ, Wijmenga C, Wong TY, Fornage M, Gudnason V, Levy D, Palmas W, Ridker PM, Rotter JI, van Duijn CM, Witteman JC, Chakravarti A, Rao DC. Gene-age interactions in blood pressure regulation: A large-scale investigation with the CHARGE, Global BPgen, and ICBP consortia. *Am J Hum Genet*. 3;95(1):24-38, 2014. PMID: 24954895.
- (1144) Ganesh SK, Chasman DI, Larson MG, Guo X, Verwoert G, Bis JC, Gu X, Smith AV, Yang ML, Zhang Y, Ehret G, Rose LM, Hwang SJ, Papanicolaou GJ, Sijbrands EJ, Rice K, Eiriksdottir G, Pihur V, Ridker PM, Vasana RS, Newton-Cheh C; Global Blood Pressure Genetics Consortium, Raffel LJ, Amin N, Rotter JI, Liu K, Launer LJ, Xu M, Caulfield M, Morrison AC, Johnson AD, Vaidya D, Dehghan A, Li G, **Bouchard C**, Harris TB, Zhang H, Boerwinkle E, Siscovick DS, Gao W, Uitterlinden AG, Rivadeneira F, Hofman A, Willer CJ, Franco OH, Huo Y, Witteman JC, Munroe PB, Gudnason V, Palmas W, van Duijn C, Fornage M, Levy D, Psaty BM, Chakravarti A. Effects of long-term averaging of quantitative blood pressure traits on the detection of genetic associations. *Am J Hum Genet*. 95(1):49-65, 2014. PMID: 24975945.
- (1145) Katzmarzyk PT, Barlow S, Bouchard C, Catalano PM, Hsia DS, Inge TH, Lovelady C, Raynor H, Redman LM, Staiano AE, Spruijt-Metz D, Symonds ME, Vickers M, Wilfley D, Yanovski JA. An evolving scientific basis for the prevention and treatment of pediatric obesity. *Int J Obes (Lond)*. 38(7):887-905, 2014. PMID: 24662696.
- (1146) Brand JS, Rovers MM, Yeap BB, Schneider HJ, Tuomainen TP, Haring R, Corona G, Onat A, Maggio M, **Bouchard C**, Tong PC, Chen RY, Akishita M, Gietema JA, Gannagé-Yared MH, Undén AL, Hautanen A, Goncharov NP, Kumanov P, Chubb SA, Almeida OP, Wittchen HU, Klotsche J, Wallaschofski H, Völzke H, Kauhanen J, Salonen JT, Ferrucci L, van der Schouw YT. Testosterone, sex hormone-binding globulin and the metabolic syndrome in men: an individual participant data meta-analysis of observational studies. *PLoS One*. 9(7):e100409, 2014. PMID: 25019163.

- (1147) Hanin G, Shenhar-Tsarfaty S, Yayon N, Hoe YY, Bennett ER, Sklan EH, Rao DC, Rankinen T, **Bouchard C**, Geifman-Shochat S, Shifman S, Greenberg DS, Soreq H. Competing targets of microRNA-608 affect anxiety and hypertension. *Hum Mol Genet.* 23(17):4569-80, 2014. PMID: 24722204.
- (1148) Thomas DM, Martin CK, Redman LM, Heymsfield SB, Lettieri S, Levine JA, **Bouchard C**, Schoeller DA. Effect of dietary adherence on the body weight plateau: a mathematical model incorporating intermittent compliance with energy intake prescription. *Am J Clin Nutr.* 100(3):787-95, 2014. PMID: 25080458.
- (1149) Rezvani R, Gupta A, Smith J, Poursharifi P, Marceau P, Pérusse L, **Bouchard C**, Tchernof A, Cianflone K. Cross-sectional associations of acylation stimulating protein (ASP) and adipose tissue gene expression with estradiol and progesterone in pre- and postmenopausal women. *Clin Endocrinol.* 81(5):736-45, 2014. PMID: 25040699.
- (1150) Qi Q, Kilpeläinen TO, Downer MK, Tanaka T, Smith CE, Sluijs I, Sonestedt E, Chu AY, Renström F, Lin X, Angquist LH, Huang J, Liu Z, Li Y, Asif Ali M, Xu M, Ahluwalia TS, Boer JM, Chen P, Daimon M, Eriksson J, Perola M, Friedlander Y, Gao YT, Heppel DH, Holloway JW, Houston DK, Kanoni S, Kim YM, Laaksonen MA, Jäskeläinen T, Lee NR, Lehtimäki T, Lemaitre RN, Lu W, Luben RN, Manichaikul A, Männistö S, Marques-Vidal P, Monda KL, Ngwa JS, Perusse L, van Rooij FJ, Xiang YB, Wen W, Wojczynski MK, Zhu J, Borecki IB, **Bouchard C**, Cai Q, Cooper C, Dedoussis GV, Deloukas P, Ferrucci L, Forouhi NG, Hansen T, Christiansen L, Hofman A, Johansson I, Jørgensen T, Karasawa S, Khaw KT, Kim MK, Kristiansson K, Li H, Lin X, Liu Y, Lohman KK, Long J, Mikkilä V, Mozaffarian D, North K, Pedersen O, Raitakari O, Rissanen H, Tuomilehto J, van der Schouw YT, Uitterlinden AG, Carola Zillikens M, Franco OH, Shyong Tai E, Ou Shu X, Siscovick DS, Toft U, Monique Verschuren WM, Vollenweider P, Wareham NJ, Witteman JC, Zheng W, Ridker PM, Kang JH, Liang L, Jensen MK, Curhan GC, Pasquale LR, Hunter DJ, Mohlke KL, Uusitupa M, Adrienne Cupples L, Rankinen T, Orho-Melander M, Wang T, Chasman DI, Franks PW, Sørensen TI, Hu FB, Loos RJ, Nettleton JA, Qi L. FTO genetic variants, dietary intake and body mass index: insights from 177,330 individuals. *Hum Mol Genet.* 23(25):6961-72, 2014. PMID: 25104851.
- (1151) Wood AR, Esko T, Yang J, Vedantam S, Pers TH, Gustafsson S, Chu AY, Estrada K, Luan J, Kutalik Z, Amin N, Buchkovich ML, Croteau-Chonka DC, Day FR, Duan Y, Fall T, Fehrmann R, Ferreira T, Jackson AU, Karjalainen J, Lo KS, Locke AE, Mägi R, Mihailov E, Porcu E, Randall JC, Scherag A, Vinkhuyzen AA, Westra HJ, Winkler TW, Workalemahu T, Zhao JH, Absher D, Albrecht E, Anderson D, Baron J, Beekman M, Demirkan A, Ehret GB, Feenstra B, Feitosa MF, Fischer K, Fraser RM, Goel A, Gong J, Justice AE, Kanoni S, Kleber ME, Kristiansson K, Lim U, Lotay V, Lui JC, Mangino M, Mateo Leach I, Medina-Gomez C, Nalls MA, Nyholt DR, Palmer CD, Pasko D, Pechlivanis S, Prokopenko I, Ried JS, Ripke S, Shungin D, Stancáková A, Strawbridge RJ, Sung YJ, Tanaka T, Teumer A, Trompet S, van der Laan SW, van Setten J, Van Vliet-Ostaptchouk JV, Wang Z, Yengo L, Zhang W, Afzal U, Arnlöv J, Arscott GM, Bandinelli S, Barrett A, Bellis C, Bennett AJ, Berne C, Blüher M, Bolton JL, Böttcher Y, Boyd HA, Bruinenberg M, Buckley BM, Buyske S, Caspersen IH, Chines PS, Clarke R, Claudi-



Boehm S, Cooper M, Daw EW, De Jong PA, Deelen J, Delgado G, Denny JC, Dhonukshe-Rutten R, Dimitriou M, Doney AS, Dörr M, Eklund N, Eury E, Folkersen L, Garcia ME, Geller F, Giedraitis V, Go AS, Grallert H, Grammer TB, Gräßler J, Grönberg H, de Groot LC, Groves CJ, Haessler J, Hall P, Haller T, Hallmans G, Hannemann A, Hartman CA, Hassinen M, Hayward C, Heard-Costa NL, Helmer Q, Hemani G, Henders AK, Hillege HL, Hlatky MA, Hoffmann W, Hoffmann P, Holmen O, Houwing-Duistermaat JJ, Illig T, Isaacs A, James AL, Jeff J, Johansen B, Johansson A, Jolley J, Juliusdottir T, Junttila J, Kho AN, Kinnunen L, Klopp N, Kocher T, Kratzer W, Lichtner P, Lind L, Lindström J, Lobbens S, Lorentzon M, Lu Y, Lyssenko V, Magnusson PK, Mahajan A, Maillard M, McArdle WL, McKenzie CA, McLachlan S, McLaren PJ, Menni C, Merger S, Milani L, Moayyeri A, Monda KL, Morken MA, Müller G, Müller-Nurasyid M, Musk AW, Narisu N, Nauck M, Nolte IM, Nöthen MM, Oozageer L, Pilz S, Rayner NW, Renstrom F, Robertson NR, Rose LM, Roussel R, Sanna S, Scharnagl H, Scholtens S, Schumacher FR, Schunkert H, Scott RA, Sehmi J, Seufferlein T, Shi J, Silventoinen K, Smit JH, Smith AV, Smolonska J, Stanton AV, Stirrups K, Stott DJ, Stringham HM, Sundström J, Swertz MA, Syvänen AC, Tayo BO, Thorleifsson G, Tyrer JP, van Dijk S, van Schoor NM, van der Velde N, van Heemst D, van Oort FV, Vermeulen SH, Verweij N, Vonk JM, Waite LL, Waldenberger M, Wennauer R, Wilkens LR, Willenborg C, Wilsgaard T, Wojczynski MK, Wong A, Wright AF, Zhang Q, Arveiler D, Bakker SJ, Beilby J, Bergman RN, Bergmann S, Biffar R, Blangero J, Boomsma DI, Bornstein SR, Bovet P, Brambilla P, Brown MJ, Campbell H, Caulfield MJ, Chakravarti A, Collins R, Collins FS, Crawford DC, Cupples LA, Danesh J, de Faire U, den Ruijter HM, Erbel R, Erdmann J, Eriksson JG, Farrall M, Ferrannini E, Ferrières J, Ford I, Forouhi NG, Forrester T, Gansevoort RT, Gejman PV, Gieger C, Golay A, Gottesman O, Gudnason V, Gyllenstein U, Haas DW, Hall AS, Harris TB, Hattersley AT, Heath AC, Hengstenberg C, Hicks AA, Hindorf LA, Hingorani AD, Hofman A, Hovingh GK, Humphries SE, Hunt SC, Hyppönen E, Jacobs KB, Jarvelin MR, Jousilahti P, Jula AM, Kaprio J, Kastelein JJ, Kayser M, Kee F, Keinanen-Kiukkaanniemi SM, Kiemeny LA, Kooner JS, Kooperberg C, Koskinen S, Kovacs P, Kraja AT, Kumari M, Kuusisto J, Lakka TA, Langenberg C, Le Marchand L, Lehtimäki T, Lupoli S, Madden PA, Männistö S, Manunta P, Marette A, Matise TC, McKnight B, Meitinger T, Moll FL, Montgomery GW, Morris AD, Morris AP, Murray JC, Nelis M, Ohlsson C, Oldehinkel AJ, Ong KK, Ouwehand WH, Pasterkamp G, Peters A, Pramstaller PP, Price JF, Qi L, Raitakari OT, Rankinen T, Rao DC, Rice TK, Ritchie M, Rudan I, Salomaa V, Samani NJ, Saramies J, Sarzynski MA, Schwarz PE, Sebert S, Sever P, Shuldiner AR, Sinisalo J, Steinthorsdottir V, Stolk RP, Tardif JC, Tönjes A, Tremblay A, Tremoli E, Virtamo J, Vohl MC; Electronic Medical Records and Genomics (eMERGE) Consortium; MIGen Consortium; PAGE Consortium; LifeLines Cohort Study, Amouyel P, Asselbergs FW, Assimes TL, Bochud M, Boehm BO, Boerwinkle E, Bottinger EP, **Bouchard C**, Cauchi S, Chambers JC, Chanock SJ, Cooper RS, de Bakker PI, Dedoussis G, Ferrucci L, Franks PW, Froguel P, Groop LC, Haiman CA, Hamsten A, Hayes MG, Hui J, Hunter DJ, Hveem K, Jukema JW, Kaplan RC, Kivimäki M, Kuh D, Laakso M, Liu Y, Martin NG, März W, Melbye M, Moebus S, Munroe PB, Njølstad I, Oostra BA, Palmer CN, Pedersen NL, Perola M, Pérusse L, Peters U, Powell JE, Power C, Quertermous T, Rauramaa R, Reinmaa E, Ridker PM, Rivadeneira F, Rotter JI, Saaristo TE, Saleheen D, Schlessinger D, Slagboom PE, Snieder H, Spector TD, Strauch K, Stumvoll M, Tuomilehto J, Uusitupa M, van der

- Harst P, Völzke H, Walker M, Wareham NJ, Watkins H, Wichmann HE, Wilson JF, Zanen P, Deloukas P, Heid IM, Lindgren CM, Mohlke KL, Speliotes EK, Thorsteinsdottir U, Barroso I, Fox CS, North KE, Strachan DP, Beckmann JS, Berndt SI, Boehnke M, Borecki IB, McCarthy MI, Metspalu A, Stefansson K, Uitterlinden AG, van Duijn CM, Franke L, Willer CJ, Price AL, Lettre G, Loos RJ, Weedon MN, Ingelsson E, O'Connell JR, Abecasis GR, Chasman DI, Goddard ME, Visscher PM, Hirschhorn JN, Frayling TM. Defining the role of common variation in the genomic and biological architecture of adult human height. *Nat Genet.* 46(11):1173-86, 2014. PMID: 25282103.
- (1152) Chow L, Eberly LE, Austin E, Carnethon M, **Bouchard C**, Sternfeld B, Zhu N, Sidney S, Schreiner P. Fitness Change Effects on Midlife Metabolic Outcomes: The CARDIA Study. *Med Sci Sports Exerc.* 47(5):967-73, 2015. PMID: 25160846.
- (1153) Sanchis-Gomar F, Lucia A, Yvert T, Ruiz-Casado A, Pareja-Galeano H, Santos-Lozano A, Fiuza-Luces C, Garatachea N, Lippi G, **Bouchard C**, Berger NA. Physical Inactivity and Low Fitness Deserve More Attention to Alter Cancer Risk and Prognosis. *Cancer Prev Res.* 8(2):105-10, 2015. PMID: 25416409.
- (1154) Gottlieb DJ, Hek K, Chen TH, Watson NF, Eiriksdottir G, Byrne EM, Cornelis M, Warby SC, Bandinelli S, Cherkas L, Evans DS, Grabe HJ, Lahti J, Li M, Lehtimäki T, Lumley T, Marcianti KD, Pérusse L, Psaty BM, Robbins J, Tranah GJ, Vink JM, Wilk JB, Stafford JM, Bellis C, Biffar R, **Bouchard C**, Cade B, Curhan GC, Eriksson JG, Ewert R, Ferrucci L, Fülöp T, Gehrman PR, Goodloe R, Harris TB, Heath AC, Hernandez D, Hofman A, Hottenga JJ, Hunter DJ, Jensen MK, Johnson AD, Kähönen M, Kao L, Kraft P, Larkin EK, Lauderdale DS, Luik AI, Medici M, Montgomery GW, Palotie A, Patel SR, Pistis G, Porcu E, Quaye L, Raitakari O, Redline S, Rimm EB, Rotter JI, Smith AV, Spector TD, Teumer A, Uitterlinden AG, Vohl MC, Widen E, Willemsen G, Young T, Zhang X, Liu Y, Blangero J, Boomsma DI, Gudnason V, Hu F, Mangino M, Martin NG, O'Connor GT, Stone KL, Tanaka T, Viikari J, Gharib SA, Punjabi NM, Räikkönen K, Völzke H, Mignot E, Tiemeier H. Novel loci associated with usual sleep duration: the CHARGE Consortium Genome-Wide Association Study. *Mol Psychiatry.* 20(10):1232-9, 2015. PMID: 25469926.
- (1155) **Bouchard C**, Antunes-Correa LM, Ashley EA, Franklin N, Hwang PM, Mattsson CM, Negrao CE, Phillips SA, Sarzynski MA, Wang PY, Wheeler MT. Personalized preventive medicine: genetics and the response to regular exercise in preventive interventions. *Prog Cardiovasc Dis.* 57(4):337-46, 2015. PMID: 25559061.
- (1156) Locke AE, Kahali B, Berndt SI, Justice AE, Pers TH, Day FR, Powell C, Vedantam S, Buchkovich ML, Yang J, Croteau-Chonka DC, Esko T, Fall T, Ferreira T, Gustafsson S, Kutalik Z, Luan J, Mägi R, Randall JC, Winkler TW, Wood AR, Workalemahu T, Faul JD, Smith JA, Hua Zhao J, Zhao W, Chen J, Fehrmann R, Hedman ÅK, Karjalainen J, Schmidt EM, Absher D, Amin N, Anderson D, Beekman M, Bolton JL, Bragg-Gresham JL, Buyske S, Demirkan A, Deng G, Ehret GB, Feenstra B, Feitosa MF, Fischer K, Goel A, Gong J, Jackson AU, Kanoni S, Kleber ME, Kristiansson K, Lim U, Lotay V, Mangino M, Mateo Leach I, Medina-Gomez C, Medland SE, Nalls MA, Palmer CD, Pasko D,

Pechlivanis S, Peters MJ, Prokopenko I, Shungin D, Stančáková A, Strawbridge RJ, Ju Sung Y, Tanaka T, Teumer A, Trompet S, van der Laan SW, van Setten J, Van Vliet-Ostaptchouk JV, Wang Z, Yengo L, Zhang W, Isaacs A, Albrecht E, Ärnlöv J, Arscott GM, Attwood AP, Bandinelli S, Barrett A, Bas IN, Bellis C, Bennett AJ, Berne C, Blagieva R, Blüher M, Böhringer S, Bonnycastle LL, Böttcher Y, Boyd HA, Bruinenberg M, Caspersen IH, Ida Chen YD, Clarke R, Daw EW, de Craen AJ, Delgado G, Dimitriou M, Doney AS, Eklund N, Estrada K, Eury E, Folkersen L, Fraser RM, Garcia ME, Geller F, Giedraitis V, Gigante B, Go AS, Golay A, Goodall AH, Gordon SD, Gorski M, Grabe HJ, Grallert H, Grammer TB, Gräßler J, Grönberg H, Groves CJ, Gusto G, Haessler J, Hall P, Haller T, Hallmans G, Hartman CA, Hassinen M, Hayward C, Heard-Costa NL, Helmer Q, Hengstenberg C, Holmen O, Hottenga JJ, James AL, Jeff JM, Johansson Å, Jolley J, Juliusdottir T, Kinnunen L, Koenig W, Koskenvuo M, Kratzer W, Laitinen J, Lamina C, Leander K, Lee NR, Lichtner P, Lind L, Lindström J, Sin Lo K, Lobbens S, Lorbeer R, Lu Y, Mach F, Magnusson PK, Mahajan A, McArdle WL, McLachlan S, Menni C, Merger S, Mihailov E, Milani L, Moayyeri A, Monda KL, Morken MA, Mulas A, Müller G, Müller-Nurasyid M, Musk AW, Nagaraja R, Nöthen MM, Nolte IM, Pilz S, Rayner NW, Renstrom F, Rettig R, Ried JS, Ripke S, Robertson NR, Rose LM, Sanna S, Scharnagl H, Scholtens S, Schumacher FR, Scott WR, Seufferlein T, Shi J, Vernon Smith A, Smolonska J, Stanton AV, Steinthorsdottir V, Stirrups K, Stringham HM, Sundström J, Swertz MA, Swift AJ, Syvänen AC, Tan ST, Tayo BO, Thorand B, Thorleifsson G, Tyrer JP, Uh HW, Vandenput L, Verhulst FC, Vermeulen SH, Verweij N, Vonk JM, Waite LL, Warren HR, Waterworth D, Weedon MN, Wilkens LR, Willenborg C, Wilsgaard T, Wojczynski MK, Wong A, Wright AF, Zhang Q; LifeLines Cohort Study, Brennan EP, Choi M, Dastani Z, Drong AW, Eriksson P, Franco-Cereceda A, Gådin JR, Gharavi AG, Goddard ME, Handsaker RE, Huang J, Karpe F, Kathiresan S, Keildson S, Kiryluk K, Kubo M, Lee JY, Liang L, Lifton RP, Ma B, McCarroll SA, McKnight AJ, Min JL, Moffatt MF, Montgomery GW, Murabito JM, Nicholson G, Nyholt DR, Okada Y, Perry JR, Dorajoo R, Reinmaa E, Salem RM, Sandholm N, Scott RA, Stolk L, Takahashi A, Tanaka T, Van't Hooft FM, Vinkhuyzen AA, Westra HJ, Zheng W, Zondervan KT; ADIPOGen Consortium; AGEN-BMI Working Group; CARDIOGRAMplusC4D Consortium; CKDGen Consortium; GLGC; ICBP; MAGIC Investigators; MuTHER Consortium; MIGen Consortium; PAGE Consortium; ReproGen Consortium; GENIE Consortium; International Endogene Consortium, Heath AC, Arveiler D, Bakker SJ, Beilby J, Bergman RN, Blangero J, Bovet P, Campbell H, Caulfield MJ, Cesana G, Chakravarti A, Chasman DI, Chines PS, Collins FS, Crawford DC, Cupples LA, Cusi D, Danesh J, de Faire U, den Ruijter HM, Dominiczak AF, Erbel R, Erdmann J, Eriksson JG, Farrall M, Felix SB, Ferrannini E, Ferrières J, Ford I, Forouhi NG, Forrester T, Franco OH, Gansevoort RT, Gejman PV, Gieger C, Gottesman O, Gudnason V, Gyllenstein U, Hall AS, Harris TB, Hattersley AT, Hicks AA, Hindorff LA, Hingorani AD, Hofman A, Homuth G, Hovingh GK, Humphries SE, Hunt SC, Hyppönen E, Illig T, Jacobs KB, Jarvelin MR, Jöckel KH, Johansen B, Jousilahti P, Jukema JW, Jula AM, Kaprio J, Kastelein JJ, Keinanen-Kiukkaanniemi SM, Kiemeny LA, Knekt P, Kooner JS, Kooperberg C, Kovacs P, Kraja AT, Kumari M, Kuusisto J, Lakka TA, Langenberg C, Le Marchand L, Lehtimäki T, Lyssenko V, Männistö S, Marette A, Matise TC, McKenzie CA, McKnight B, Moll FL, Morris AD, Morris AP, Murray JC, Nelis M, Ohlsson C, Oldehinkel AJ, Ong KK, Madden PA, Pasterkamp G, Peden JF, Peters A, Postma DS,

- Pramstaller PP, Price JF, Qi L, Raitakari OT, Rankinen T, Rao DC, Rice TK, Ridker PM, Rioux JD, Ritchie MD, Rudan I, Salomaa V, Samani NJ, Saramies J, Sarzynski MA, Schunkert H, Schwarz PE, Sever P, Shuldiner AR, Sinisalo J, Stolk RP, Strauch K, Tönjes A, Trégouët DA, Tremblay A, Tremoli E, Virtamo J, Vohl MC, Völker U, Waeber G, Willemsen G, Witteman JC, Zillikens MC, Adair LS, Amouyel P, Asselbergs FW, Assimes TL, Bochud M, Boehm BO, Boerwinkle E, Bornstein SR, Bottinger EP, **Bouchard C**, Cauchi S, Chambers JC, Chanock SJ, Cooper RS, de Bakker PI, Dedoussis G, Ferrucci L, Franks PW, Froguel P, Groop LC, Haiman CA, Hamsten A, Hui J, Hunter DJ, Hveem K, Kaplan RC, Kivimaki M, Kuh D, Laakso M, Liu Y, Martin NG, März W, Melbye M, Metspalu A, Moebus S, Munroe PB, Njølstad I, Oostra BA, Palmer CN, Pedersen NL, Perola M, Pérusse L, Peters U, Power C, Quertermous T, Rauramaa R, Rivadeneira F, Saaristo TE, Saleheen D, Sattar N, Schadt EE, Schlessinger D, Slagboom PE, Snieder H, Spector TD, Thorsteinsdottir U, Stumvoll M, Tuomilehto J, Uitterlinden AG, Uusitupa M, van der Harst P, Walker M, Wallaschofski H, Wareham NJ, Watkins H, Weir DR, Wichmann HE, Wilson JF, Zanen P, Borecki IB, Deloukas P, Fox CS, Heid IM, O'Connell JR, Strachan DP, Stefansson K, van Duijn CM, Abecasis GR, Franke L, Frayling TM, McCarthy MI, Visscher PM, Scherag A, Willer CJ, Boehnke M, Mohlke KL, Lindgren CM, Beckmann JS, Barroso I, North KE, Ingelsson E, Hirschhorn JN, Loos RJ, Speliotes EK. Genetic studies of body mass index yield new insights for obesity biology. *Nature*. 518(7538):197-206, 2015. PMID: 25673413.
- (1157) Shungin D, Winkler TW, Croteau-Chonka DC, Ferreira T, Locke AE, Mägi R, Strawbridge RJ, Pers TH, Fischer K, Justice AE, Workalemahu T, Wu JM, Buchkovich ML, Heard-Costa NL, Roman TS, Drong AW, Song C, Gustafsson S, Day FR, Esko T, Fall T, Kutalik Z, Luan J, Randall JC, Scherag A, Vedantam S, Wood AR, Chen J, Fehrmann R, Karjalainen J, Kahali B, Liu CT, Schmidt EM, Absher D, Amin N, Anderson D, Beekman M, Bragg-Gresham JL, Buyske S, Demirkan A, Ehret GB, Feitosa MF, Goel A, Jackson AU, Johnson T, Kleber ME, Kristiansson K, Mangino M, Mateo Leach I, Medina-Gomez C, Palmer CD, Pasko D, Pechlivanis S, Peters MJ, Prokopenko I, Stančáková A, Ju Sung Y, Tanaka T, Teumer A, Van Vliet-Ostaptchouk JV, Yengo L, Zhang W, Albrecht E, Ärnlöv J, Arscott GM, Bandinelli S, Barrett A, Bellis C, Bennett AJ, Berne C, Blüher M, Böhringer S, Bonnet F, Böttcher Y, Bruinenberg M, Carba DB, Caspersen IH, Clarke R, Daw EW, Deelen J, Deelman E, Delgado G, Doney AS, Eklund N, Erdos MR, Estrada K, Eury E, Friedrich N, Garcia ME, Giedraitis V, Gigante B, Go AS, Golay A, Grallert H, Grammer TB, Gräßler J, Grewal J, Groves CJ, Haller T, Hallmans G, Hartman CA, Hassinen M, Hayward C, Heikkilä K, Herzig KH, Helmer Q, Hillege HL, Holmen O, Hunt SC, Isaacs A, Itermann T, James AL, Johansson I, Juliusdottir T, Kalafati IP, Kinnunen L, Koenig W, Kooner IK, Kratzer W, Lamina C, Leander K, Lee NR, Lichtner P, Lind L, Lindström J, Lobbens S, Lorentzon M, Mach F, Magnusson PK, Mahajan A, McArdle WL, Menni C, Merger S, Mihailov E, Milani L, Mills R, Moayyeri A, Monda KL, Mooijaart SP, Mühleisen TW, Mulas A, Müller G, Müller-Nurasyid M, Nagaraja R, Nalls MA, Narisu N, Glorioso N, Nolte IM, Olden M, Rayner NW, Renstrom F, Ried JS, Robertson NR, Rose LM, Sanna S, Scharnagl H, Scholtens S, Sennblad B, Seufferlein T, Sitlani CM, Vernon Smith A, Stirrups K, Stringham HM, Sundström J, Swertz MA, Swift AJ, Syvänen AC, Tayo BO, Thorand B, Thorleifsson G, Tomaschitz A, Troffa C, van Oort FV, Verweij N, Vonk JM, Waite LL,

Wennauer R, Wilsgaard T, Wojczynski MK, Wong A, Zhang Q, Hua Zhao J, Brennan EP, Choi M, Eriksson P, Folkersen L, Franco-Cereceda A, Gharavi AG, Hedman ÅK, Hivert MF, Huang J, Kanoni S, Karpe F, Keildson S, Kiryluk K, Liang L, Lifton RP, Ma B, McKnight AJ, McPherson R, Metspalu A, Min JL, Moffatt MF, Montgomery GW, Murabito JM, Nicholson G, Nyholt DR, Olsson C, Perry JR, Reinmaa E, Salem RM, Sandholm N, Schadt EE, Scott RA, Stolk L, Vallejo EE, Westra HJ, Zondervan KT; ADIPOGen Consortium; CARDIOGRAMplusC4D Consortium; CKDGen Consortium; GEFOS Consortium; GENIE Consortium; GLGC; ICBP; International Endogene Consortium; LifeLines Cohort Study; MAGIC Investigators; MuTHER Consortium; PAGE Consortium; ReproGen Consortium, Amouyel P, Arveiler D, Bakker SJ, Beilby J, Bergman RN, Blangero J, Brown MJ, Burnier M, Campbell H, Chakravarti A, Chines PS, Claudi-Boehm S, Collins FS, Crawford DC, Danesh J, de Faire U, de Geus EJ, Dörr M, Erbel R, Eriksson JG, Farrall M, Ferrannini E, Ferrières J, Forouhi NG, Forrester T, Franco OH, Gansevoort RT, Gieger C, Gudnason V, Haiman CA, Harris TB, Hattersley AT, Heliövaara M, Hicks AA, Hingorani AD, Hoffmann W, Hofman A, Homuth G, Humphries SE, Hyppönen E, Illig T, Jarvelin MR, Johansen B, Jousilahti P, Jula AM, Kaprio J, Kee F, Keinanen-Kiukkaanniemi SM, Kooner JS, Kooperberg C, Kovacs P, Kraja AT, Kumari M, Kuulasmaa K, Kuusisto J, Lakka TA, Langenberg C, Le Marchand L, Lehtimäki T, Lyssenko V, Männistö S, Marette A, Matise TC, McKenzie CA, McKnight B, Musk AW, Möhlenkamp S, Morris AD, Nelis M, Ohlsson C, Oldehinkel AJ, Ong KK, Palmer LJ, Penninx BW, Peters A, Pramstaller PP, Raitakari OT, Rankinen T, Rao DC, Rice TK, Ridker PM, Ritchie MD, Rudan I, Salomaa V, Samani NJ, Saramies J, Sarzynski MA, Schwarz PE, Shuldiner AR, Staessen JA, Steinthorsdottir V, Stolk RP, Strauch K, Tönjes A, Tremblay A, Tremoli E, Vohl MC, Völker U, Vollenweider P, Wilson JF, Witteman JC, Adair LS, Bochud M, Boehm BO, Bornstein SR, **Bouchard C**, Cauchi S, Caulfield MJ, Chambers JC, Chasman DI, Cooper RS, Dedoussis G, Ferrucci L, Froguel P, Grabe HJ, Hamsten A, Hui J, Hveem K, Jöckel KH, Kivimäki M, Kuh D, Laakso M, Liu Y, März W, Munroe PB, Njølstad I, Oostra BA, Palmer CN, Pedersen NL, Perola M, Pérusse L, Peters U, Power C, Quertermous T, Rauramaa R, Rivadeneira F, Saaristo TE, Saleheen D, Sinisalo J, Slagboom PE, Snieder H, Spector TD, Thorsteinsdottir U, Stumvoll M, Tuomilehto J, Uitterlinden AG, Uusitupa M, van der Harst P, Veronesi G, Walker M, Wareham NJ, Watkins H, Wichmann HE, Abecasis GR, Assimes TL, Berndt SI, Boehnke M, Borecki IB, Deloukas P, Franke L, Frayling TM, Groop LC, Hunter DJ, Kaplan RC, O'Connell JR, Qi L, Schlessinger D, Strachan DP, Stefansson K, van Duijn CM, Willer CJ, Visscher PM, Yang J, Hirschhorn JN, Zillikens MC, McCarthy MI, Speliotes EK, North KE, Fox CS, Barroso I, Franks PW, Ingelsson E, Heid IM, Loos RJ, Cupples LA, Morris AP, Lindgren CM, Mohlke KL. New genetic loci link adipose and insulin biology to body fat distribution. *Nature*. 518(7538):187-96, 2015. PMID: 25673412.

- (1158) Rankinen T, Sarzynski MA, Ghosh S, **Bouchard C**. Are There Genetic Paths Common to Obesity, Cardiovascular Disease Outcomes, and Cardiovascular Risk Factors? *Circ Res*. 116(5):909-22, 2015. PMID: 25722444.

- (1159) Chaput JP, Saunders TJ, Tremblay MS, Katzmarzyk PT, Tremblay A, **Bouchard C**. Workplace standing time and the incidence of obesity and type 2 diabetes: a longitudinal study in adults. BMC Public Health. 15:111, 2015. PMID: 25885707.
- (1160) Loos RJ, Hagberg JM, Pérusse L, Roth SM, Sarzynski MA, Wolfarth B, Rankinen T, **Bouchard C**. Advances in Exercise, Fitness, and Performance Genomics in 2014. Med Sci Sports Exerc. 47(6):1105-12, 2015. PMID: 25706296.
- (1161) Pers TH, Karjalainen JM, Chan Y, Westra HJ, Wood AR, Yang J, Lui JC, Vedantam S, Gustafsson S, Esko T, Frayling T, Speliotes EK; Genetic Investigation of ANthropometric Traits (GIANT) Consortium, Boehnke M, Raychaudhuri S, Fehrmann RS, Hirschhorn JN, Franke L, Wood AR, Esko T, Yang J, Vedantam S, Pers TH, Gustafsson S, Chu AY, Estrada K, Luan J, Kutalik Z, Amin N, Buchkovich ML, Croteau-Chonka DC, Day FR, Duan Y, Fall T, Fehrmann R, Ferreira T, Jackson AU, Karjalainen J, Lo KS, Locke AE, Mägi R, Mihailov E, Porcu E, Randall JC, Scherag A, Vinkhuyzen AA, Westra HJ, Winkler TW, Workalemahu T, Zhao JH, Absher D, Albrecht E, Anderson D, Baron J, Beekman M, Demirkan A, Ehret GB, Feenstra B, Feitosa MF, Fischer K, Fraser RM, Goel A, Gong J, Justice E, Kanoni S, Kleber ME, Kristiansson K, Lim U, Lotay V, Lui JC, Mangino M, Mateo Leach I, Medina-Gomez C, Nalls MA, Nyholt DR, Palmer CD, Pasko D, Pechlivanis S, Prokopenko I, Ried JS, Ripke S, Shungin D, Stancáková A, Strawbridge RJ, Sung YJ, Tanaka T, Teumer A, Trompet S, van der Laan SW, van Setten J, Van Vliet-Ostaptchouk JV, Wang Z, Yengo L, Zhang W, Afzal U, Ärnlöv J, Arscott GM, Bandinelli S, Barrett A, Bellis C, Bennett AJ, Berne C, Blüher M, Bolton JL, Böttcher Y, Boyd HA, Bruinenberg M, Buckley BM, Buyske S, Caspersen IH, Chines PS, Clarke R, Claudi-Boehm S, Cooper M, Daw EW, De Jong A, Deelen J, Delgado G, Denny JC, Dhonukshe-Rutten R, Dimitriou M, Doney AS, Dörr M, Eklund N, Eury E, Folkersen L, Garcia ME, Geller F, Giedraitis V, Go AS, Grallert H, Grammer TB, Gräßler J, Grönberg H, de Groot LC, Groves CJ, Haessler J, Haller T, Hallmans G, Hannemann A, Hartman CA, Hassinen M, Hayward C, Heard-Costa NL, Helmer Q, Hemani G, Henders AK, Hillege HL, Hlatky MA, Hoffmann W, Hoffmann P, Holmen O, Houwing-Duistermaat JJ, Illig T, Isaacs A, James AL, Jeff J, Johansen B, Johansson Å, Jolley J, Juliusdottir T, Junttila J, Kho AN, Kinnunen L, Klopp N, Kocher T, Kratzer W, Lichtner P, Lind L, Lindström J, Lobbens S, Lorentzon M, Lu Y, Lyssenko V, Magnusson PK, Mahajan A, Maillard M, McArdle WL, McKenzie CA, McLachlan S, McLaren PJ, Menni C, Merger S, Milani L, Moayyeri A, Monda KL, Morken MA, Müller G, Müller-Nurasyid M, Musk AW, Narisu N, Nauck M, Nolte IM, Nöthen MM, Oozageer L, Pilz S, Rayner NW, Renstrom F, Robertson NR, Rose LM, Roussel R, Sanna S, Scharnagl H, Scholtens S, Schumacher FR, Schunkert H, Scott RA, Sehmi J, Seufferlein T, Shi J, Silventoinen K, Smit JH, Smith AV, Smolonska J, Stanton AV, Stirrups K, Stott DJ, Stringham HM, Sundström J, Swertz MA, Syvänen AC, Tayo BO, Thorleifsson G, Tyrer JP, van Dijk S, van Schoor NM, van der Velde N, van Heemst D, van Oort FV, Vermeulen SH, Verweij N, Vonk JM, Waite LL, Waldenberger M, Wennauer R, Wilkens LR, Willenborg C, Wilsgaard T, Wojczynski MK, Wong A, Wright AF, Zhang Q, Arveiler D, Bakker SJ, Beilby J, Bergman RN, Bergmann S, Biffar R, Blangero J, Boomsma I, Bornstein SR, Bovet P, Brambilla P, Brown MJ, Campbell H, Caulfield MJ, Chakravarti A, Collins R, Collins FS, Crawford DC, Cupples LA, Danesh J, de Faire U, den Ruijter

- HM, Erbel R, Erdmann J, Eriksson JG, Farrall M, Ferrannini E, Ferrières J, Ford I, Forouhi NG, Forrester T, Gansevoort RT, Gejman PV, Gieger C, Golay A, Gottesman O, Gudnason V, Gyllenstein U, Haas DW, Hall AS, Harris TB, Hattersley AT, Heath AC, Hengstenberg C, Hicks AA, Hindorf LA, Hingorani AD, Hofman A, Hovingh GK, Humphries SE, Hunt SC, Hypponen E, Jacobs KB, Jarvelin MR, Jousilahti P, Jula AM, Kaprio J, Kastelein JJ, Kayser M, Kee F, Keinänen-Kiukaanniemi SM, Kiemeny LA, Kooner JS, Kooperberg C, Koskinen S, Kovacs P, Kraja AT, Kumari M, Kuusisto J, Lakka TA, Langenberg C, Le Marchand L, Lehtimäki T, Lupoli S, Madden PA, Männistö S, Manunta P, Marette A, Matise TC, McKnight B, Meitinger T, Moll FL, Montgomery GW, Morris AD, Morris AP, Murray JC, Nelis M, Ohlsson C, Oldehinkel AJ, Ong KK, Ouwehand WH, Pasterkamp G, Peters A, Pramstaller PP, Price JF, Qi L, Raitakari OT, Rankinen T, Rao DC, Rice TK, Ritchie M, Rudan I, Salomaa V, Samani NJ, Saramies J, Sarzynski MA, Schwarz PE, Sebert S, Sever P, Shuldiner AR, Sinisalo J, Steinthorsdottir V, Stolk RP, Tardif JC, Tönjes A, Tremblay A, Tremoli E, Virtamo J, Vohl MC, Amouyel P, Asselbergs FW, Assimes TL, Bochud M, Boehm BO, Boerwinkle E, Bottinger EP, **Bouchard C**, Cauchi S, Chambers JC, Chanoock SJ, Cooper RS, de Bakker PI, Dedoussis G, Ferrucci L, Franks PW, Froguel P, Groop LC, Haiman CA, Hamsten A, Hayes MG, Hui J, Hunter DJ, Hveem K, Jukema JW, Kaplan RC, Kivimäki M, Kuh D, Laakso M, Liu Y, Martin NG, März W, Melbye M, Moebus S, Munroe PB, Njølstad I, Oostra BA, Palmer CN, Pedersen NL, Perola M, Pérusse L, Peters U, Powell JE, Power C, Quertermous T, Rauramaa R, Reinmaa E, Ridker PM, Rivadeneira F, Rotter JI, Saaristo TE, Saleheen D, Schlessinger D, Slagboom PE, Snieder H, Spector TD, Strauch K, Stumvoll M, Tuomilehto J, Uusitupa M, van der Harst P, Völzke H, Walker M, Wareham NJ, Watkins H, Wichmann HE, Wilson JF, Zanen P, Deloukas P, Heid IM, Lindgren CM, Mohlke KL, Speliotes EK, Thorsteinsdottir U, Barroso I, Fox CS, North KE, Strachan DP, Beckmann JS, Berndt SI, Boehnke M, Borecki IB, McCarthy MI, Metspalu A, Stefansson K, Uitterlinden AG, van Duijn CM, Franke L, Willer CJ, Price AL, Lettre G, Loos RJ, Weedon MN, Ingelsson E, O'Connell JR, Abecasis GR, Chasman DI, Goddard ME, Visscher PM, Hirschhorn JN, Frayling TM. Biological interpretation of genome-wide association studies using predicted gene functions. *Nat Commun*. 6:5890, 2015. doi: 10.1038/ncomms6890. PMID: 25597830.
- (1162) Nsaiba MJ, Lapointe M, Mabrouk H, Douki W, Gaha L, Pérusse L, **Bouchard C**, Jrad BB, Cianflone K. C3 Polymorphism Influences Circulating Levels of C3, ASP and Lipids in Schizophrenic Patients. *Neurochem Res*. 40(5):906-14, 2015. PMID: 25720829.
- (1163) Nsaibia MJ, Lapointe M, Mabrouk H, Douki W, Gaha L, Perusse L, Bouchard C, Jrad BB & Cianflone K. Erratum to: C3 Polymorphism Influences Circulating Levels of C3, ASP and Lipids in Schizophrenic Patients. *Neurochem Res*. Epub Mar 9, 2016. doi: 10.1007/s11064-016-1866-4. PMID: 26961885.
- (1164) Zhu N, Jacobs DR Jr, Schreiner PJ, Launer LJ, Whitmer RA, Sidney S, Demerath E, Thomas W, **Bouchard C**, He K, Erus G, Battapady H, Bryan RN. Cardiorespiratory fitness and brain volume and white matter integrity: The CARDIA Study. *Neurology*. 84(23):2347-53, 2015. PMID: 25957331.

- (1165) Neuffer PD, Bamman MM, Muoio DM, **Bouchard C**, Cooper DM, Goodpaster BH, Booth FW, Kohrt WM, Gerszten RE, Mattson MP, Hepple RT, Kraus WE, Reid MB, Bodine SC, Jakicic JM, Fleg JL, Williams JP, Joseph L, Evans M, Maruvada P, Rodgers M, Roary M, Boyce AT, Drugan JK, Koenig JI, Ingraham RH, Krotoski D, Garcia-Cazarin M, McGowan JA, Laughlin MR. Understanding the Cellular and Molecular Mechanisms of Physical Activity-Induced Health Benefits. *Cell Metab*. 22(1):4-11, 2015. PMID: 26073496.
- (1166) Rudkowska I, Pérusse L, Bellis C, Blangero J, Després JP, **Bouchard C**, Vohl MC. Interaction between Common Genetic Variants and Total Fat Intake on Low-Density Lipoprotein Peak Particle Diameter: A Genome-Wide Association Study. *J Nutrigenet Nutrigenomics*. 8(1):44-53, 2015. PMID: 26112879.
- (1167) Joshi PK, Esko T, Mattsson H, Eklund N, Gandin I, Nutile T, Jackson AU, Schurmann C, Smith AV, Zhang W, Okada Y, Stančáková A, Faul JD, Zhao W, Bartz TM, Concas MP, Franceschini N, Enroth S, Vitart V, Trompet S, Guo X, Chasman DI, O'Connel JR, Corre T, Nongmaithem SS, Chen Y, Mangino M, Ruggiero D, Traglia M, Farmaki AE, Kacprowski T, Bjorntjes A, van der Spek A, Wu Y, Giri AK, Yanek LR, Wang L, Hofer E, Rietveld CA, McLeod O, Cornelis MC, Pattaro C, Verweij N, Baumbach C, Abdellaoui A, Warren HR, Vuckovic D, Mei H, **Bouchard C**, Perry JR, Cappellani S, Mirza SS, Benton MC, Broeckel U, Medland SE, Lind PA, Malerba G, Drong A, Yengo L, Bielak LF, Zhi D, van der Most PJ, Shriner D, Mägi R, Hemani G, Karaderi T, Wang Z, Liu T, Demuth I, Zhao JH, Meng W, Lataniotis L, van der Laan SW, Bradfield JP, Wood AR, Bonnefond A, Ahluwalia TS, Hall LM, Salvi E, Yazar S, Carstensen L, de Haan HG, Abney M, Afzal U, Allison MA, Amin N, Asselbergs FW, Bakker SJ, Barr RG, Baumeister SE, Benjamin DJ, Bergmann S, Boerwinkle E, Bottinger EP, Campbell A, Chakravarti A, Chan Y, Chanock SJ, Chen C, Chen YI, Collins FS, Connell J, Correa A, Cupples LA, Smith GD, Davies G, Dörr M, Ehret G, Ellis SB, Feenstra B, Feitosa MF, Ford I, Fox CS, Frayling TM, Friedrich N, Geller F, Scotland G, Gillham-Nasanya I, Gottesman O, Graff M, Grodstein F, Gu C, Haley C, Hammond CJ, Harris SE, Harris TB, Hastie ND, Heard-Costa NL, Heikkilä K, Hocking LJ, Homuth G, Hottenga JJ, Huang J, Huffman JE, Hysi PG, Ikram MA, Ingelsson E, Joensuu A, Johansson Å, Jousilahti P, Jukema JW, Kähönen M, Kamatani Y, Kanoni S, Kerr SM, Khan NM, Koellinger P, Koistinen HA, Kooner MK, Kubo M, Kuusisto J, Lahti J, Launer LJ, Lea RA, Lehne B, Lehtimäki T, Liewald DC, Lind L, Loh M, Lokki ML, London SJ, Loomis SJ, Loukola A, Lu Y, Lumley T, Lundqvist A, Männistö S, Marques-Vidal P, Masciullo C, Matchan A, Mathias RA, Matsuda K, Meigs JB, Meisinger C, Meitinger T, Menni C, Mentch FD, Mihailov E, Milani L, Montasser ME, Montgomery GW, Morrison A, Myers RH, Nadukuru R, Navarro P, Nelis M, Nieminen MS, Nolte IM, O'Connor GT, Ogunniyi A, Padmanabhan S, Palmas WR, Pankow JS, Patarcic I, Pavani F, Peyser PA, Pietilainen K, Poulter N, Prokopenko I, Ralhan S, Redmond P, Rich SS, Rissanen H, Robino A, Rose LM, Rose R, Sala C, Salako B, Salomaa V, Sarin AP, Saxena R, Schmidt H, Scott LJ, Scott WR, Sennblad B, Seshadri S, Sever P, Shrestha S, Smith BH, Smith JA, Soranzo N, Sotoodehnia N, Southam L, Stanton AV, Stathopoulou MG, Strauch K, Strawbridge RJ, Suderman MJ, Tandon N, Tang ST, Taylor KD, Tayo BO, Töglhofer AM, Tomaszewski M, Tšernikova N, Tuomilehto J, Uitterlinden AG, Vaidya D, van Hylckama Vlieg A, van



- Setten J, Vasankari T, Vedantam S, Vlachopoulou E, Vozzi D, Vuoksima E, Waldenberger M, Ware EB, Wentworth-Shields W, Whitfield JB, Wild S, Willemsen G, Yajnik CS, Yao J, Zaza G, Zhu X; BioBank Japan Project, Salem RM, Melbye M, Bisgaard H, Samani NJ, Cusi D, Mackey DA, Cooper RS, Froguel P, Pasterkamp G, Grant SF, Hakonarson H, Ferrucci L, Scott RA, Morris AD, Palmer CN, Dedoussis G, Deloukas P, Bertram L, Lindenberg U, Berndt SI, Lindgren CM, Timpson NJ, Tönjes A, Munroe PB, Sørensen TI, Rotimi CN, Arnett DK, Oldehinkel AJ, Kardia SL, Balkau B, Gambaro G, Morris AP, Eriksson JG, Wright MJ, Martin NG, Hunt SC, Starr JM, Deary IJ, Griffiths LR, Tiemeier H, Pirastu N, Kaprio J, Wareham NJ, Pérusse L, Wilson JG, Girotto G, Caulfield MJ, Raitakari O, Boomsma DI, Gieger C, van der Harst P, Hicks AA, Kraft P, Sinisalo J, Knekt P, Johannesson M, Magnusson PK, Hamsten A, Schmidt R, Borecki IB, Vartiainen E, Becker DM, Bharadwaj D, Mohlke KL, Boehnke M, van Duijn CM, Sanghera DK, Teumer A, Zeggini E, Metspalu A, Gasparini P, Ulivi S, Ober C, Toniolo D, Rudan I, Porteous DJ, Ciullo M, Spector TD, Hayward C, Dupuis J, Loos RJ, Wright AF, Chandak GR, Vollenweider P, Shuldiner AR, Ridker PM, Rotter JI, Sattar N, Gyllenstein U, North KE, Pirastu M, Psaty BM, Weir DR, Laakso M, Gudnason V, Takahashi A, Chambers JC, Kooner JS, Strachan DP, Campbell H, Hirschhorn JN, Perola M, Polašek O, Wilson JF. Directional dominance on stature and cognition in diverse human populations. *Nature*. 523(7561):459-62, 2015. PMID: 26131930.
- (1168) Bureau A, Croteau J, Couture C, Vohl MC, **Bouchard C**, Perusse L. Estimating genetic effect sizes under joint disease-endophenotype models in presence of gene-environment interactions. *Front Genet*. 6:248, 2015. PMID: 26284107.
- (1169) **Bouchard C**, Blair SN, Katzmarzyk PT. Less Sitting, More Physical Activity, or Higher Fitness? *Mayo Clin Proc*. 90(11):1533-40, 2015. PMID: 26422244.
- (1170) Sarzynski MA, Davidsen PK, Sung YJ, Hesselink MK, Schrauwen P, Rice TK, Rao DC, Falciani F, **Bouchard C**. Genomic and transcriptomic predictors of triglyceride response to regular exercise. *Br J Sports Med*. 49(23):1524-31, 2015. PMID: 26491034.
- (1171) Bouchard C, editor. *Progress in Molecular Biology and Translational Science*. Volume 135, Molecular and Cellular Regulation of Adaptation to Exercise. Waltham, MA: Elsevier/AP, 2015. 540 pages.
- (1172) Bouchard C. Adaptation to acute and regular exercise: from reductionist approaches to integrative biology. In: Bouchard C, editor. *Prog Mol Biol Transl Sci*. 135:1-15, 2015. PMID: 26477908.
- (1173) Sarzynski MA, Burton J, Rankinen T, Blair SN, Church TS, Després JP, Hagberg JM, Landers-Ramos R, Leon AS, Mikus CR, Rao DC, Seip RL, Skinner JS, Slentz CA, Thompson PD, Wilund KR, Kraus WE, **Bouchard C**. The effects of exercise on the lipoprotein subclass profile: A meta-analysis of 10 interventions. *Atherosclerosis*. 243(2):364-72, 2015. PMID: 26520888.

- (1174) Winkler, TW, Justice, AE, Graff, M, Barata, L, Feitosa, MF, Chu, S, Czajkowski, J, Esko, T, Fall, T, Kilpelainen, TO, Lu, Y, Magi, R, Mihailov, E, Pers, TH, Rueger, S, Teumer, A, Ehret, GB, Ferreira, T, Heard-Costa, NL, Karjalainen, J, Lagou, V, Mahajan, A, Neinast, MD, Prokopenko, I, Simino, J, Teslovich, TM, Jansen, R, Westra, HJ, White, CC, Absher, D, Ahluwalia, TS, Ahmad, S, Albrecht, E, Alves, AC, Bragg-Gresham, JL, de Craen, AJ, Bis, JC, Bonnefond, A, Boucher, G, Cadby, G, Cheng, YC, Chiang, CW, Delgado, G, Demirkan, A, Dueker, N, Eklund, N, Eiriksdottir, G, Eriksson, J, Feenstra, B, Fischer, K, Frau, F, Galesloot, TE, Geller, F, Goel, A, Gorski, M, Grammer, TB, Gustafsson, S, Haitjema, S, Hottenga, JJ, Huffman, JE, Jackson, AU, Jacobs, KB, Johansson, A, Kaakinen, M, Kleber, ME, Lahti, J, Mateo Leach, I, Lehne, B, Liu, Y, Lo, KS, Lorentzon, M, Luan, J, Madden, PA, Mangino, M, McKnight, B, Medina-Gomez, C, Monda, KL, Montasser, ME, Muller, G, Muller-Nurasyid, M, Nolte, IM, Panoutsopoulou, K, Pascoe, L, Paternoster, L, Rayner, NW, Renstrom, F, Rizzi, F, Rose, LM, Ryan, KA, Salo, P, Sanna, S, Scharnagl, H, Shi, J, Smith, AV, Southam, L, Stancakova, A, Steinthorsdottir, V, Strawbridge, RJ, Sung, YJ, Tachmazidou, I, Tanaka, T, Thorleifsson, G, Trompet, S, Pervjakova, N, Tyrer, JP, Vandenput, L, van der Laan, SW, van der Velde, N, van Setten, J, van Vliet-Ostaptchouk, JV, Verweij, N, Vlachopoulou, E, Waite, LL, Wang, SR, Wang, Z, Wild, SH, Willenborg, C, Wilson, JF, Wong, A, Yang, J, Yengo, L, Yerges-Armstrong, LM, Yu, L, Zhang, W, Zhao, JH, Andersson, EA, Bakker, SJ, Baldassarre, D, Banasik, K, Barcella, M, Barlassina, C, Bellis, C, Benaglio, P, Blangero, J, Bluher, M, Bonnet, F, Bonnycastle, LL, Boyd, HA, Bruinenberg, M, Buchman, AS, Campbell, H, Chen, YD, Chines, PS, Claudi-Boehm, S, Cole, J, Collins, FS, de Geus, EJ, de Groot, LC, Dimitriou, M, Duan, J, Enroth, S, Eury, E, Farmaki, AE, Forouhi, NG, Friedrich, N, Gejman, PV, Gigante, B, Glorioso, N, Go, AS, Gottesman, O, Grassler, J, Grallert, H, Grarup, N, Gu, YM, Broer, L, Ham, AC, Hansen, T, Harris, TB, Hartman, CA, Hassinen, M, Hastie, N, Hattersley, AT, Heath, AC, Henders, AK, Hernandez, D, Hillege, H, Holmen, O, Hovingh, KG, Hui, J, Husemoen, LL, Hutri-Kahonen, N, Hysi, PG, Illig, T, De Jager, PL, Jalilzadeh, S, Jorgensen, T, Jukema, JW, Juonala, M, Kanoni, S, Karaleftheri, M, Khaw, KT, Kinnunen, L, Kittner, SJ, Koenig, W, Kolcic, I, Kovacs, P, Krarup, NT, Kratzer, W, Kruger, J, Kuh, D, Kumari, M, Kyriakou, T, Langenberg, C, Lannfelt, L, Lanzani, C, Lotay, V, Launer, LJ, Leander, K, Lindstrom, J, Linneberg, A, Liu, YP, Lobbens, S, Luben, R, Lyssenko, V, Mannisto, S, Magnusson, PK, McArdle, WL, Menni, C, Merger, S, Milani, L, Montgomery, GW, Morris, AP, Narisu, N, Nelis, M, Ong, KK, Palotie, A, Perusse, L, Pichler, I, Pilia, MG, Pouta, A, Rheinberger, M, Ribel-Madsen, R, Richards, M, Rice, KM, Rice, TK, Rivolta, C, Salomaa, V, Sanders, AR, Sarzynski, MA, Scholtens, S, Scott, RA, Scott, WR, Sebert, S, Sengupta, S, Sennblad, B, Seufferlein, T, Silveira, A, Slagboom, PE, Smit, JH, Sparso, TH, Stirrups, K, Stolk, RP, Stringham, HM, Swertz, MA, Swift, AJ, Syvanen, AC, Tan, ST, Thorand, B, Tonjes, A, Tremblay, A, Tsafantakis, E, van der Most, PJ, Volker, U, Vohl, MC, Vonk, JM, Waldenberger, M, Walker, RW, Wennauer, R, Widen, E, Willemsen, G, Wilsgaard, T, Wright, AF, Zillikens, MC, van Dijk, SC, van Schoor, NM, Asselbergs, FW, de Bakker, PI, Beckmann, JS, Beilby, J, Bennett, DA, Bergman, RN, Bergmann, S, Boger, CA, Boehm, BO, Boerwinkle, E, Boomsma, DI, Bornstein, SR, Bottinger, EP, **Bouchard C**, Chambers, JC, Chanock, SJ, Chasman, DI, Cucca, F, Cusi, D, Dedoussis, G, Erdmann, J, Eriksson, JG, Evans, DA, de Faire, U, Farrall, M, Ferrucci, L, Ford, I, Franke, L, Franks, PW, Froguel, P, Gansevoort, RT, Gieger, C, Gronberg, H, Gudnason, V, Gyllensten, U, Hall, P, Hamsten, A, van der

Harst, P, Hayward, C, Heliovaara, M, Hengstenberg, C, Hicks, AA, Hingorani, A, Hofman, A, Hu, F, Huikuri, HV, Hveem, K, James, AL, Jordan, JM, Jula, A, Kahonen, M, Kajantie, E, Kathiresan, S, Kiemeny, LA, Kivimaki, M, Knekt, PB, Koistinen, HA, Kooner, JS, Koskinen, S, Kuusisto, J, Maerz, W, Martin, NG, Laakso, M, Lakka, TA, Lehtimaki, T, Lettre, G, Levinson, DF, Lind, L, Lokki, ML, Mantyselka, P, Melbye, M, Metspalu, A, Mitchell, BD, Moll, FL, Murray, JC, Musk, AW, Nieminen, MS, Njolstad, I, Ohlsson, C, Oldehinkel, AJ, Oostra, BA, Palmer, LJ, Pankow, JS, Pasterkamp, G, Pedersen, NL, Pedersen, O, Penninx, BW, Perola, M, Peters, A, Polasek, O, Pramstaller, PP, Psaty, BM, Qi, L, Quertermous, T, Raitakari, OT, Rankinen, T, Rauramaa, R, Ridker, PM, Rioux, JD, Rivadeneira, F, Rotter, JI, Rudan, I, den Ruijter, HM, Saltevo, J, Sattar, N, Schunkert, H, Schwarz, PE, Shuldiner, AR, Sinisalo, J, Snieder, H, Sorensen, TI, Spector, TD, Staessen, JA, Stefania, B, Thorsteinsdottir, U, Stumvoll, M, Tardif, JC, Tremoli, E, Tuomilehto, J, Uitterlinden, AG, Uusitupa, M, Verbeek, AL, Vermeulen, SH, Viikari, JS, Vitart, V, Volzke, H, Vollenweider, P, Waeber, G, Walker, M, Wallaschofski, H, Wareham, NJ, Watkins, H, Zeggini, E, Consortium, Charge, Consortium, Diagram, Consortium, Glgc, Global, BPGen Consortium, Consortium, Icbp, Consortium, Magic, Chakravarti, A, Clegg, DJ, Cupples, LA, Gordon-Larsen, P, Jaquish, CE, Rao, DC, Abecasis, GR, Assimes, TL, Barroso, I, Berndt, SI, Boehnke, M, Deloukas, P, Fox, CS, Groop, LC, Hunter, DJ, Ingelsson, E, Kaplan, RC, McCarthy, MI, Mohlke, KL, O'Connell, JR, Schlessinger, D, Strachan, DP, Stefansson, K, van Duijn, CM, Hirschhorn, JN, Lindgren, CM, Heid, IM, North, KE, Borecki, IB, Kutalik, Z, Loos, RJ. The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. *PLoS Genet.* 11(10):e1005378, 2015. PMID: 26426971.

Winkler, TW, Justice, AE, Graff, M, Barata, L, Feitosa, MF, Chu, S, Czajkowski, J, et al. Correction: The Influence of Age and Sex on Genetic Associations with Adult Body Size and Shape: A Large-Scale Genome-Wide Interaction Study. *PLoS Genet.* 12(6):e1006166, 2016. PMID: 27355579.

- (1175) Webbhorn N, Williams A, McNamee M, **Bouchard C**, Pitsiladis Y, Ahmetov I, Ashley E, Byrne N, Camporesi S, Collins M, Dijkstra P, Eynon N, Fuku N, Garton FC, Hoppe N, Holm S, Kaye J, Klissouras V, Lucia A, Maase K, Moran C, North KN, Pigozzi F, Wang G. Direct-to-consumer genetic testing for predicting sports performance and talent identification: Consensus statement. *Br J Sports Med.* 49(23):1486-91, 2015. PMID: 26582191.
- (1176) Bouchard C. Exercise genomics--a paradigm shift is needed: a commentary. *Br J Sports Med.* 49(23):1492-96, 2015. PMID: 26429807.
- (1177) Shah RV, Murthy VL, Colangelo LA, Reis J, Venkatesh BA, Sharma R, Abbasi SA, Goff DC, Jr., Carr JJ, Rana JS, Terry JG, **Bouchard C**, Sarzynski MA, Eisman A, Neilan T, Das S, Jerosch-Herold M, Lewis CE, Carnethon M, Lewis GD, Lima JA. Association of Fitness in Young Adulthood with Survival and Cardiovascular Risk: The Coronary Artery Risk Development in Young Adults (CARDIA) Study. *JAMA Intern Med.* 176(1):87-95, 2016. PMID: 26618471.

- (1178) Pitsiladis YP, Tanaka M, Eynon N, **Bouchard C**, North KN, Williams AG, Collins M, Moran CN, Britton SL, Fuku N, Ashley EA, Klissouras V, Lucia A, Ahmetov, II, de Geus E & Alsayrafi M. Athlome Project Consortium: a concerted effort to discover genomic and other "omic" markers of athletic performance. *Physiol Genomics*. 48(3):183–90, 2016. PMID: 26715623.
- (1179) Rankinen T, Fuku N, Wolfarth B, Wang G, Sarzynski MA, Alexeev DG, Ahmetov, II, Boulay MR, Cieszczyk P, Eynon N, Filipenko ML, Garton FC, Generozov EV, Govorun VM, Houweling PJ, Kawahara T, Kostyukova ES, Kulemin NA, Larin AK, Maciejewska-Karłowska A, Miyachi M, Muniesa CA, Murakami H, Ospanova EA, Padmanabhan S, Pavlenko AV, Pyankova ON, Santiago C, Sawczuk M, Scott RA, Uyba VV, Yvert T, Perusse L, Ghosh S, Rauramaa R, North KN, Lucia A, Pitsiladis Y & **Bouchard C**. No Evidence of a Common DNA Variant Profile Specific to World Class Endurance Athletes. *PloS One*. 11(1):e0147330, 2016. PMID: 26824906.
- (1180) Lu Y, Day FR, Gustafsson S, Buchkovich ML, Na J, Bataille V, Cousminer DL, Dastani Z, Drong AW, Esko T, Evans DM, Falchi M, Feitosa MF, Ferreira T, Hedman AK, Haring R, Hysi PG, Iles MM, Justice AE, Kanoni S, Lagou V, Li R, Li X, Locke A, Lu C, Magi R, Perry JR, Pers TH, Qi Q, Sanna M, Schmidt EM, Scott WR, Shungin D, Teumer A, Vinkhuyzen AA, Walker RW, Westra HJ, Zhang M, Zhang W, Zhao JH, Zhu Z, Afzal U, Ahluwalia TS, Bakker SJ, Bellis C, Bonnefond A, Borodulin K, Buchman AS, Cederholm T, Choh AC, Choi HJ, Curran JE, de Groot LC, De Jager PL, Dhonukshe-Rutten RA, Enneman AW, Eury E, Evans DS, Forsen T, Friedrich N, Fumeron F, Garcia ME, Gartner S, Han BG, Havulinna AS, Hayward C, Hernandez D, Hillege H, Ittermann T, Kent JW, Kolcic I, Laatikainen T, Lahti J, Mateo Leach I, Lee CG, Lee JY, Liu T, Liu Y, Lobbens S, Loh M, Lyytikainen LP, Medina-Gomez C, Michaelsson K, Nalls MA, Nielson CM, Oozageer L, Pascoe L, Paternoster L, Polasek O, Ripatti S, Sarzynski MA, Shin CS, Narancic NS, Spira D, Srikanth P, Steinhagen-Thiessen E, Sung YJ, Swart KM, Taittonen L, Tanaka T, Tikkanen E, van der Velde N, van Schoor NM, Verweij N, Wright AF, Yu L, Zmuda JM, Eklund N, Forrester T, Grarup N, Jackson AU, Kristiansson K, Kuulasmaa T, Kuusisto J, Lichtner P, Luan J, Mahajan A, Mannisto S, Palmer CD, Ried JS, Scott RA, Stancakova A, Wagner PJ, Demirkan A, Doring A, Gudnason V, Kiel DP, Kuhnel B, Mangino M, McKnight B, Menni C, O'Connell JR, Oostra BA, Shuldiner AR, Song K, Vandenput L, van Duijn CM, Vollenweider P, White CC, Boehnke M, Boettcher Y, Cooper RS, Forouhi NG, Gieger C, Grallert H, Hingorani A, Jorgensen T, Jousilahti P, Kivimaki M, Kumari M, Laakso M, Langenberg C, Linneberg A, Luke A, McKenzie CA, Palotie A, Pedersen O, Peters A, Strauch K, Tayo BO, Wareham NJ, Bennett DA, Bertram L, Blangero J, Bluher M, **Bouchard C**, Campbell H, Cho NH, Cummings SR, Czerwinski SA, Demuth I, Eckardt R, Eriksson JG, Ferrucci L, Franco OH, Froguel P, Gansevoort RT, Hansen T, Harris TB, Hastie N, Heliovaara M, Hofman A, Jordan JM, Jula A, Kahonen M, Kajantie E, Knekt PB, Koskinen S, Kovacs P, Lehtimaki T, Lind L, Liu Y, Orwoll ES, Osmond C, Perola M, Perusse L, Raitakari OT, Rankinen T, Rao DC, Rice TK, Rivadeneira F, Rudan I, Salomaa V, Sorensen TI, Stumvoll M, Tonjes A, Towne B, Tranah GJ, Tremblay A, Uitterlinden AG, van der Harst P, Vartiainen E, Viikari JS, Vitart V, Vohl MC, Volzke H, Walker M, Wallaschofski H, Wild S, Wilson JF, Yengo L,

- Bishop DT, Borecki IB, Chambers JC, Cupples LA, Dehghan A, Deloukas P, Fatemifar G, Fox C, Furey TS, Franke L, Han J, Hunter DJ, Karjalainen J, Karpe F, Kaplan RC, Kooner JS, McCarthy MI, Murabito JM, Morris AP, Bishop JA, North KE, Ohlsson C, Ong KK, Prokopenko I, Richards JB, Schadt EE, Spector TD, Widen E, Willer CJ, Yang J, Ingelsson E, Mohlke KL, Hirschhorn JN, Pospisilik JA, Zillikens MC, Lindgren C, Kilpelainen TO & Loos RJ. New loci for body fat percentage reveal link between adiposity and cardiometabolic disease risk. *Nat Commun*. 7:10495, 2016. PMID: 26833246.
- (1181) Kilpelainen TO, Carli JF, Skowronski AA, Sun Q, Kriebel J, Feitosa MF, Hedman AK, Drong AW, Hayes JE, Zhao J, Pers TH, Schick U, Grarup N, Kutalik Z, Trompet S, Mangino M, Kristiansson K, Beekman M, Lyytikainen LP, Eriksson J, Henneman P, Lahti J, Tanaka T, Luan J, Greco MF, Pasko D, Renstrom F, Willems SM, Mahajan A, Rose LM, Guo X, Liu Y, Kleber ME, Perusse L, Gaunt T, Ahluwalia TS, Ju Sung Y, Ramos YF, Amin N, Amuzu A, Barroso I, Bellis C, Blangero J, Buckley BM, Bohringer S, YD IC, de Craen AJ, Crosslin DR, Dale CE, Dastani Z, Day FR, Deelen J, Delgado GE, Demirkan A, Finucane FM, Ford I, Garcia ME, Gieger C, Gustafsson S, Hallmans G, Hankinson SE, Havulinna AS, Herder C, Hernandez D, Hicks AA, Hunter DJ, Illig T, Ingelsson E, Ioan-Facsinay A, Jansson JO, Jenny NS, Jorgensen ME, Jorgensen T, Karlsson M, Koenig W, Kraft P, Kwekkeboom J, Laatikainen T, Ladwig KH, LeDuc CA, Lowe G, Lu Y, Marques-Vidal P, Meisinger C, Menni C, Morris AP, Myers RH, Mannisto S, Nalls MA, Paternoster L, Peters A, Pradhan AD, Rankinen T, Rasmussen-Torvik LJ, Rathmann W, Rice TK, Brent Richards J, Ridker PM, Sattar N, Savage DB, Soderberg S, Timpson NJ, Vandenput L, van Heemst D, Uh HW, Vohl MC, Walker M, Wichmann HE, Widen E, Wood AR, Yao J, Zeller T, Zhang Y, Meulenbelt I, Kloppenburg M, Astrup A, Sorensen TI, Sarzynski MA, Rao DC, Jousilahti P, Vartiainen E, Hofman A, Rivadeneira F, Uitterlinden AG, Kajantie E, Osmond C, Palotie A, Eriksson JG, Heliovaara M, Knekt PB, Koskinen S, Jula A, Perola M, Huupponen RK, Viikari JS, Kahonen M, Lehtimäki T, Raitakari OT, Mellstrom D, Lorentzon M, Casas JP, Bandinelli S, Marz W, Isaacs A, van Dijk KW, van Duijn CM, Harris TB, **Bouchard C**, Allison MA, Chasman DI, Ohlsson C, Lind L, Scott RA, Langenberg C, Wareham NJ, Ferrucci L, Frayling TM, Pramstaller PP, Borecki IB, Waterworth DM, Bergmann S, Waeber G, Vollenweider P, Vestergaard H, Hansen T, Pedersen O, Hu FB, Eline Slagboom P, Grallert H, Spector TD, Jukema JW, Klein RJ, Schadt EE, Franks PW, Lindgren CM, Leibel RL & Loos RJ (2016). Genome-wide meta-analysis uncovers novel loci influencing circulating leptin levels. *Nat Commun*. 7:10494, 2016. PMID: 26833098.
- (1182) Sung YJ, Pérusse L, Sarzynski MA, Fornage M, Sidney S, Sternfeld B, Rice T, Terry JG, Jacobs DR Jr, Katzmarzyk P, Curran JE, Jeffrey Carr J, Blangero J, Ghosh S, Després JP, Rankinen T, Rao DC, **Bouchard C**. Genome-wide association studies suggest sex-specific loci associated with abdominal and visceral fat. *Int J Obes (Lond)*. 40(4):662-74, 2016. PMID: 26480920.
- (1183) Sarzynski MA, Loos RJ, Lucia A, Perusse L, Roth SM, Wolfarth B, Rankinen T, **Bouchard C**. Advances in Exercise, Fitness, and Performance Genomics in 2015. *Med Sci Sports Exerc*. 48(10):1906-16, 2016. PMID: 27183119.

- (1184) Sung YJ, Winkler TW, Manning AK, Aschard H, Gudnason V, Harris TB, Smith AV, Boerwinkle E, Brown MR, Morrison AC, Fornage M, Lin LA, Richard M, Bartz TM, Psaty BM, Hayward C, Polasek O, Marten J, Rudan I, Feitosa MF, Kraja AT, Province MA, Deng X, Fisher VA, Zhou Y, Bielak LF, Smith J, Huffman JE, Padmanabhan S, Smith BH, Ding J, Liu Y, Lohman K, **Bouchard C**, Rankinen T, Rice TK, Arnett D, Schwander K, Guo X, Palmas W, Rotter JI, Alfred T, Bottinger EP, Loos RJ, Amin N, Franco OH, van Duijn CM, Vojinovic D, Chasman DI, Ridker PM, Rose LM, Kardia S, Zhu X, Rice K, Borecki IB, Rao DC, Gauderman WJ & Cupples LA. An Empirical Comparison of Joint and Stratified Frameworks for Studying G x E Interactions: Systolic Blood Pressure and Smoking in the CHARGE Gene-Lifestyle Interactions Working Group. *Genet Epidemiol*. 40(5):404-15, 2016. PMID: 27230302.
- (1185) Ried JS, Jeff MJ, Chu AY, Bragg-Gresham JL, van Dongen J, Huffman JE, Ahluwalia TS, Cadby G, Eklund N, Eriksson J, Esko T, Feitosa MF, Goel A, Gorski M, Hayward C, Heard-Costa NL, Jackson AU, Jokinen E, Kanoni S, Kristiansson K, Kutalik Z, Lahti J, Luan J, Magi R, Mahajan A, Mangino M, Medina-Gomez C, Monda KL, Nolte IM, Perusse L, Prokopenko I, Qi L, Rose LM, Salvi E, Smith MT, Snieder H, Stancakova A, Ju Sung Y, Tachmazidou I, Teumer A, Thorleifsson G, van der Harst P, Walker RW, Wang SR, Wild SH, Willems SM, Wong A, Zhang W, Albrecht E, Couto Alves A, Bakker SJ, Barlassina C, Bartz TM, Beilby J, Bellis C, Bergman RN, Bergmann S, Blangero J, Bluher M, Boerwinkle E, Bonnycastle LL, Bornstein SR, Bruinenberg M, Campbell H, Chen YI, Chiang CW, Chines PS, Collins FS, Cucca F, Cupples LA, D'Avila F, de Geus EJ, Dedoussis G, Dimitriou M, Doring A, Eriksson JG, Farmaki AE, Farrall M, Ferreira T, Fischer K, Forouhi NG, Friedrich N, Gjesing AP, Glorioso N, Graff M, Grallert H, Grarup N, Grassler J, Grewal J, Hamsten A, Harder MN, Hartman CA, Hassinen M, Hastie N, Hattersley AT, Havulinna AS, Heliovaara M, Hillege H, Hofman A, Holmen O, Homuth G, Hottenga JJ, Hui J, Husemoen LL, Hysi PG, Isaacs A, Ittermann T, Jalilzadeh S, James AL, Jorgensen T, Jousilahti P, Julia A, Marie Justesen J, Justice AE, Kahonen M, Karaleftheri M, Tee Khaw K, Keinänen-Kiukkaanniemi SM, Kinnunen L, Knekt PB, Koistinen HA, Kolcic I, Kooner IK, Koskinen S, Kovacs P, Kyriakou T, Laitinen T, Langenberg C, Lewin AM, Lichtner P, Lindgren CM, Lindstrom J, Linneberg A, Lorbeer R, Lorentzon M, Luben R, Lyssenko V, Mannisto S, Manunta P, Leach IM, McArdle WL, McKnight B, Mohlke KL, Mihailov E, Milani L, Mills R, Montasser ME, Morris AP, Muller G, Musk AW, Narisu N, Ong KK, Oostra BA, Osmond C, Palotie A, Pankow JS, Paternoster L, Penninx BW, Pichler I, Pilia MG, Polasek O, Pramstaller PP, Raitakari OT, Rankinen T, Rao DC, Rayner NW, Ribel-Madsen R, Rice TK, Richards M, Ridker PM, Rivadeneira F, Ryan KA, Sanna S, Sarzynski MA, Scholtens S, Scott RA, Sebert S, Southam L, Sparso TH, Steinthorsdottir V, Stirrups K, Stolk RP, Strauch K, Stringham HM, Swertz MA, Swift AJ, Tonjes A, Tsaftakakis E, van der Most PJ, Van Vliet-Ostaptchouk JV, Vandenput L, Vartiainen E, Venturini C, Verweij N, Viikari JS, Vitart V, Vohl MC, Vonk JM, Waeber G, Widen E, Willemsen G, Wilsgaard T, Winkler TW, Wright AF, Yerges-Armstrong LM, Hua Zhao J, Carola Zillikens M, Boomsma DI, **Bouchard C**, Chambers JC, Chasman DI, Cusi D, Gansevoort RT, Gieger C, Hansen T, Hicks AA, Hu F, Hveem K, Jarvelin MR, Kajantie E, Kooner JS, Kuh D, Kuusisto J, Laakso M, Lakka TA, Lehtimäki T, Metspalu A, Njolstad I, Ohlsson C, Oldehinkel AJ, Palmer LJ, Pedersen

- O, Perola M, Peters A, Psaty BM, Puolijoki H, Rauramaa R, Rudan I, Salomaa V, Schwarz PE, Shudiner AR, Smit JH, Sorensen TI, Spector TD, Stefansson K, Stumvoll M, Tremblay A, Tuomilehto J, Uitterlinden AG, Uusitupa M, Volker U, Vollenweider P, Wareham NJ, Watkins H, Wilson JF, Zeggini E, Abecasis GR, Boehnke M, Borecki IB, Deloukas P, van Duijn CM, Fox C, Groop LC, Heid IM, Hunter DJ, Kaplan RC, McCarthy MI, North KE, O'Connell JR, Schlessinger D, Thorsteinsdottir U, Strachan DP, Frayling T, Hirschhorn JN, Muller-Nurasyid M, and Loos RJ. A principal component meta-analysis on multiple anthropometric traits identifies novel loci for body shape in >170,000 individuals of the GIANT Consortium. *Nat Commun*. 7:13357, 2016. PMID: 27876822.
- (1186) Liu C, Kraja AT, Smith JA, Brody JA, Franceschini N, Bis JC, Rice K, Morrison AC, Lu Y, Weiss S, Guo X, Palmas W, Martin LW, Chen YD, Surendran P, Drenos F, Cook JP, Auer PL, Chu AY, Giri A, Zhao W, Jakobsdottir J, Lin LA, Stafford JM, Amin N, Mei H, Yao J, Voorman A, Consortium CHDE, Exome BPC, Go TDC, Consortium TDG, Larson MG, Grove ML, Smith AV, Hwang SJ, Chen H, Huan T, Kosova G, Stitzel NO, Kathiresan S, Samani N, Schunkert H, Deloukas P, Myocardial Infarction G, Consortia CAE, Li M, Fuchsberger C, Pattaro C, Gorski M, Consortium CK, Kooperberg C, Papanicolaou GJ, Rossouw JE, Faul JD, Kardia SL, **Bouchard C**, Raffel LJ, Uitterlinden AG, Franco OH, Vasan RS, O'Donnell CJ, Taylor KD, Liu K, Bottinger EP, Gottesman O, Daw EW, Giulianini F, Ganesh S, Salfati E, Harris TB, Launer LJ, Dorr M, Felix SB, Rettig R, Volzke H, Kim E, Lee WJ, Lee IT, Sheu WH, Tsosie KS, Edwards DR, Liu Y, Correa A, Weir DR, Volker U, Ridker PM, Boerwinkle E, Gudnason V, Reiner AP, van Duijn CM, Borecki IB, Edwards TL, Chakravarti A, Rotter JI, Psaty BM, Loos RJ, Fornage M, Ehret GB, Newton-Cheh C, Levy D, and Chasman DI. Meta-analysis identifies common and rare variants influencing blood pressure and overlapping with metabolic trait loci. *Nat Genet*. 48(10):1162-70, 2016. PMID: 27618448.
- (1187) Sarzynski MA, Ghosh S, **Bouchard C**. Genomic and transcriptomic predictors of response levels to endurance exercise training. *J Physiol*. 595(9):2931-2939, 2017. PMID: 27234805.
- (1188) Justice AE, Winkler TW, Feitosa MF, Graff M, Fisher VA, Young K, Barata L, Deng X, Czajkowski J, Hadley D, Ngwa JS, Ahluwalia TS, Chu AY, Heard-Costa NL, Lim E, Perez J, Eicher JD, Kutalik Z, Xue L, Mahajan A, Renstrom F, Wu J, Qi Q, Ahmad S, Alfred T, Amin N, Bielak LF, Bonnefond A, Bragg J, Cadby G, Chittani M, Coggeshall S, Corre T, Direk N, Eriksson J, Fischer K, Gorski M, Neergaard Harder M, Horikoshi M, Huang T, Huffman JE, Jackson AU, Justesen JM, Kanoni S, Kinnunen L, Kleber ME, Komulainen P, Kumari M, Lim U, Luan J, Lyytikainen LP, Mangino M, Manichaikul A, Marten J, Middelberg RPS, Muller-Nurasyid M, Navarro P, Perusse L, Pervjakova N, Sarti C, Smith AV, Smith JA, Stancakova A, Strawbridge RJ, Stringham HM, Sung YJ, Tanaka T, Teumer A, Trompet S, van der Laan SW, van der Most PJ, Van Vliet-Ostaptchouk JV, Vedantam SL, Verweij N, Vink JM, Vitart V, Wu Y, Yengo L, Zhang W, Hua Zhao J, Zimmermann ME, Zubair N, Abecasis GR, Adair LS, Afaq S, Afzal U, Bakker SJL, Bartz TM, Beilby J, Bergman RN, Bergmann S, Biffar R, Blangero J, Boerwinkle E, Bonycastle LL, Bottinger E, Braga D, Buckley BM, Buyske S, Campbell

H, Chambers JC, Collins FS, Curran JE, de Borst GJ, de Craen AJM, de Geus EJC, Dedoussis G, Delgado GE, den Ruijter HM, Eiriksdottir G, Eriksson AL, Esko T, Faul JD, Ford I, Forrester T, Gertow K, Gigante B, Glorioso N, Gong J, Grallert H, Grammer TB, Grarup N, Haitjema S, Hallmans G, Hamsten A, Hansen T, Harris TB, Hartman CA, Hassinen M, Hastie ND, Heath AC, Hernandez D, Hindorff L, Hocking LJ, Hollensted M, Holmen OL, Homuth G, Jan Hottenga J, Huang J, Hung J, Hutri-Kahonen N, Ingelsson E, James AL, Jansson JO, Jarvelin MR, Jhun MA, Jorgensen ME, Juonala M, Kahonen M, Karlsson M, Koistinen HA, Kolcic I, Kolovou G, Kooperberg C, Kramer BK, Kuusisto J, Kvaloy K, Lakka TA, Langenberg C, Launer LJ, Leander K, Lee NR, Lind L, Lindgren CM, Linneberg A, Lobbens S, Loh M, Lorentzon M, Luben R, Lubke G, Ludolph-Donislawski A, Lupoli S, Madden PAF, Mannikko R, Marques-Vidal P, Martin NG, McKenzie CA, McKnight B, Mellstrom D, Menni C, Montgomery GW, Musk AB, Narisu N, Nauck M, Nolte IM, Oldehinkel AJ, Olden M, Ong KK, Padmanabhan S, Peyser PA, Pisinger C, Porteous DJ, Raitakari OT, Rankinen T, Rao DC, Rasmussen-Torvik LJ, Rawal R, Rice T, Ridker PM, Rose LM, Bien SA, Rudan I, Sanna S, Sarzynski MA, Sattar N, Savonen K, Schlessinger D, Scholtens S, Schurmann C, Scott RA, Sennblad B, Siemielink MA, Silbernagel G, Slagboom PE, Snieder H, Staessen JA, Stott DJ, Swertz MA, Swift AJ, Taylor KD, Tayo BO, Thorand B, Thuillier D, Tuomilehto J, Uitterlinden AG, Vandenput L, Vohl MC, Volzke H, Vonk JM, Waeber G, Waldenberger M, Westendorp RGJ, Wild S, Willemsen G, Wolffenbuttel BHR, Wong A, Wright AF, Zhao W, Zillikens MC, Baldassarre D, Balkau B, Bandinelli S, Boger CA, Boomsma DI, **Bouchard C**, Bruinenberg M, Chasman DI, Chen YD, Chines PS, Cooper RS, Cucca F, Cusi D, Faire U, Ferrucci L, Franks PW, Froguel P, Gordon-Larsen P, Grabe HJ, Gudnason V, Haiman CA, Hayward C, Hveem K, Johnson AD, Wouter Jukema J, Kardina SLR, Kivimaki M, Kooner JS, Kuh D, Laakso M, Lehtimaki T, Marchand LL, Marz W, McCarthy MI, Metspalu A, Morris AP, Ohlsson C, Palmer LJ, Pasterkamp G, Pedersen O, Peters A, Peters U, Polasek O, Psaty BM, Qi L, Rauramaa R, Smith BH, Sorensen TIA, Strauch K, Tiemeier H, Tremoli E, van der Harst P, Vestergaard H, Vollenweider P, Wareham NJ, Weir DR, Whitfield JB, Wilson JF, Tyrrell J, Frayling TM, Barroso I, Boehnke M, Deloukas P, Fox CS, Hirschhorn JN, Hunter DJ, Spector TD, Strachan DP, van Duijn CM, Heid IM, Mohlke KL, Marchini J, Loos RJF, Kilpelainen TO, Liu CT, Borecki IB, North KE, Cupples LA. Genome-wide meta-analysis of 241,258 adults accounting for smoking behaviour identifies novel loci for obesity traits. *Nat Commun*. 8:14977, 2017. PMID: 28443625.

- (1189) Graff M, Scott RA, Justice AE, Young KL, Feitosa MF, Barata L, Winkler TW, Chu AY, Mahajan A, Hadley D, Xue L, Workalemahu T, Heard-Costa NL, den Hoed M, Ahluwalia TS, Qi Q, Ngwa JS, Renstrom F, Quaye L, Eicher JD, Hayes JE, Cornelis M, Kutalik Z, Lim E, Luan J, Huffman JE, Zhang W, Zhao W, Griffin PJ, Haller T, Ahmad S, Marques-Vidal PM, Bien S, Yengo L, Teumer A, Smith AV, Kumari M, Harder MN, Justesen JM, Kleber ME, Hollensted M, Lohman K, Rivera NV, Whitfield JB, Zhao JH, Stringham HM, Lyytikainen LP, Huppertz C, Willemsen G, Peyrot WJ, Wu Y, Kristiansson K, Demirkan A, Fornage M, Hassinen M, Bielak LF, Cadby G, Tanaka T, Magi R, van der Most PJ, Jackson AU, Bragg-Gresham JL, Vitart V, Marten J, Navarro P, Bellis C, Pasko D, Johansson A, Snitker S, Cheng YC, Eriksson J, Lim U, Adahl M, Adair LS, Amin N, Balkau B, Auvinen J, Beilby J, Bergman RN, Bergmann S, Bertoni AG, Blangero J,



- Bonnefond A, Bonnycastle LL, Borja JB, Brage S, Busonero F, Buyske S, Campbell H, Chines PS, Collins FS, Corre T, Smith GD, Delgado GE, Dueker N, Dorr M, Ebeling T, Eiriksdottir G, Esko T, Faul JD, Fu M, Faerch K, Gieger C, Glaser S, Gong J, Gordon-Larsen P, Grallert H, Grammer TB, Grarup N, van Grootheest G, Harald K, Hastie ND, Havulinna AS, Hernandez D, Hindorff L, Hocking LJ, Holmens OL, Holzapfel C, Hottenga JJ, Huang J, Huang T, Hui J, Huth C, Hutri-Kahonen N, James AL, Jansson JO, Jhun MA, Juonala M, Kinnunen L, Koistinen HA, Kolcic I, Komulainen P, Kuusisto J, Kvaloy K, Kahonen M, Lakka TA, Launer LJ, Lehne B, Lindgren CM, Lorentzon M, Luben R, Marre M, Milaneschi Y, Monda KL, Montgomery GW, De Moor MHM, Mulas A, Muller-Nurasyid M, Musk AW, Mannikko R, Mannisto S, Narisu N, Nauck M, Nettleton JA, Nolte IM, Oldehinkel AJ, Olden M, Ong KK, Padmanabhan S, Paternoster L, Perez J, Perola M, Peters A, Peters U, Peyser PA, Prokopenko I, Puolijoki H, Raitakari OT, Rankinen T, Rasmussen-Torvik LJ, Rawal R, Ridker PM, Rose LM, Rudan I, Sarti C, Sarzynski MA, Savonen K, Scott WR, Sanna S, Shuldiner AR, Sidney S, Silbernagel G, Smith BH, Smith JA, Snieder H, Stancakova A, Sternfeld B, Swift AJ, Tammelin T, Tan ST, Thorand B, Thuillier D, Vandenput L, Vestergaard H, van Vliet-Ostaptchouk JV, Vohl MC, Volker U, Waeber G, Walker M, Wild S, Wong A, Wright AF, Zillikens MC, Zubair N, Haiman CA, Lemarchand L, Gyllenstein U, Ohlsson C, Hofman A, Rivadeneira F, Uitterlinden AG, Perusse L, Wilson JF, Hayward C, Polasek O, Cucca F, Hveem K, Hartman CA, Tonjes A, Bandinelli S, Palmer LJ, Kardia SLR, Rauramaa R, Sorensen TIA, Tuomilehto J, Salomaa V, Penninx B, de Geus EJC, Boomsma DI, Lehtimäki T, Mangino M, Laakso M, **Bouchard C**, Martin NG, Kuh D, Liu Y, Linneberg A, Marz W, Strauch K, Kivimäki M, Harris TB, Gudnason V, Volzke H, Qi L, Jarvelin MR, Chambers JC, Kooner JS, Froguel P, Kooperberg C, Vollenweider P, Hallmans G, Hansen T, Pedersen O, Metspalu A, Wareham NJ, Langenberg C, Weir DR, Porteous DJ, Boerwinkle E, Chasman DI, Consortium C, Consortium EP-I, Consortium P, Abecasis GR, Barroso I, McCarthy MI, Frayling TM, O'Connell JR, van Duijn CM, Boehnke M, Heid IM, Mohlke KL, Strachan DP, Fox CS, Liu CT, Hirschhorn JN, Klein RJ, Johnson AD, Borecki IB, Franks PW, North KE, Cupples LA, Loos RJF & Kilpeläinen TO. Genome-wide physical activity interactions in adiposity - A meta-analysis of 200,452 adults. *PLoS Genet* 13(4):e1006528, 2017. PMID: 28448500.
- (1190) Ghosh S, **Bouchard C**. Convergence between biological, behavioural and genetic determinants of obesity. *Nature Review Genetics*, 18: 731-748, 2017. PMID: 28989171.
- (1191) Clarke K, Ricciardi S, Pearson T, Bharudin I, Davidsen PK, Bonomo M, Brina D, Scagliola A, Simpson DM, Beynon RJ, Khanim F, Ankers J, Sarzynski MA, Ghosh S, Pisconti A, Rozman J, Hrabe de Angelis M, Bunce C, Stewart C, Egginton S, Caddick M, Jackson M, **Bouchard C**, Biffo S, and Falciani. The role of *Eif6* in skeletal muscle homeostasis revealed by endurance training co-expression networks. *Cell Reports*, 21:1507-1529, 2017. PMID: 29117557.
- (1192) He Z, Rankinen T, Leon AS, Skinner JA, Tchernof A, **Bouchard C**. Plasma steroids and cardiorespiratory fitness response to regular exercise. In: Spiegelman B (Ed.), *Hormones, Metabolism and the Benefits of Exercise*. Springer Nature: Cham, Switzerland, 2017, pp 25-42.

- (1193) Ghoshal S, Stevens JR, Billon C, Girardet C, Sitaula S, Leon AS, Rao DC, Skinner JS, Rankinen T, **Bouchard C**, Nunez MV, Stanhope KL, Howatt DA, Daugherty A, Zhang J, Schuelke M, Weiss EP, Coffey AR, Bennett BJ, Sethupathy P, Burris TP, Havel PJ, and Butler AA. Adropin: An endocrine link between the biological clock and cholesterol homeostasis. Mol Metab 8: 51-64, 2018. PMID: 29331507.
- (1194) Lightfoot JT, DE Geus EJC, Booth FW, Bray MS, M DENH, Kaprio J, Kelly SA, Pomp D, Saul MC, Thomis MA, Garland T, Jr., and **Bouchard C**. Biological/Genetic Regulation of Physical Activity Level: Consensus from GenBioPAC. Med Sci Sports Exerc 50: 863-873, 2018. PMID: 29166322.
- (1195) **Bouchard C**. Can weight control and regular physical activity increase survival in CHD patients? Journal Am College Cardiology, 71: 1102-1104, 2018. PMID: 29519350
- (1196) He Z, Rankinen T, Leon AS, Skinner JS, Tchernof A, **Bouchard C**. Plasma steroids, body composition, and fat distribution: effects of age, sex, and exercise training. Int J Obes (Lond), 42: 1366-1377, 2018. PMID: 29507393.
- (1197) Sung YJ, Winkler TW, de Las Fuentes L, Bentley AR, Brown MR, Kraja AT, Schwander K, Ntalla I, Guo X, Franceschini N, Lu Y, Cheng CY, Sim X, Vojinovic D, Marten J, Musani SK, Li C, Feitosa MF, Kilpelainen TO, Richard MA, Noordam R, Aslibekyan S, Aschard H, Bartz TM, Dorajoo R, Liu Y, Manning AK, Rankinen T, Smith AV, Tajuddin SM, Tayo BO, Warren HR, Zhao W, Zhou Y, Matoba N, Sofer T, Alver M, Amini M, Boissel M, Chai JF, Chen X, Divers J, Gandin I, Gao C, Giulianini F, Goel A, Harris SE, Hartwig FP, Horimoto A, Hsu FC, Jackson AU, Kahonen M, Kasturiratne A, Kuhnel B, Leander K, Lee WJ, Lin KH, an Luan J, McKenzie CA, Meian H, Nelson CP, Rauramaa R, Schupf N, Scott RA, Sheu WHH, Stancakova A, Takeuchi F, van der Most PJ, Varga TV, Wang H, Wang Y, Ware EB, Weiss S, Wen W, Yanek LR, Zhang W, Zhao JH, Afaq S, Alfred T, Amin N, Arking D, Aung T, Barr RG, Bielak LF, Boerwinkle E, Bottinger EP, Braund PS, Brody JA, Broeckel U, Cabrera CP, Cade B, Caizheng Y, Campbell A, Canouil M, Chakravarti A, Group CNW, Chauhan G, Christensen K, Cocca M, Consortium CO-K, Collins FS, Connell JM, de Mutsert R, de Silva HJ, Debette S, Dorr M, Duan Q, Eaton CB, Ehret G, Evangelou E, Faul JD, Fisher VA, Forouhi NG, Franco OH, Friedlander Y, Gao H, Consortium G, Gigante B, Graff M, Gu CC, Gu D, Gupta P, Hagenaars SP, Harris TB, He J, Heikkinen S, Heng CK, Hirata M, Hofman A, Howard BV, Hunt S, Irvin MR, Jia Y, Joehanes R, Justice AE, Katsuya T, Kaufman J, Kerrison ND, Khor CC, Koh WP, Koistinen HA, Komulainen P, Kooperberg C, Krieger JE, Kubo M, Kuusisto J, Langeveld CD, Langenberg C, Launer LJ, Lehne B, Lewis CE, Li Y, Lifelines Cohort S, Lim SH, Lin S, Liu CT, Liu J, Liu J, Liu K, Liu Y, Loh M, Lohman KK, Long J, Louie T, Magi R, Mahajan A, Meitinger T, Metspalu A, Milani L, Momozawa Y, Morris AP, Mosley TH, Jr., Munson P, Murray AD, Nalls MA, Nasri U, Norris JM, North K, Ogunniyi A, Padmanabhan S, Palmas WR, Palmer ND, Pankow JS, Pedersen NL, Peters A, Peyser PA, Polasek O, Raitakari OT, Renstrom F, Rice TK, Ridker PM, Robino A, Robinson JG, Rose LM, Rudan I, Sabanayagam C, Salako BL, Sandow K, Schmidt CO, Schreiner PJ, Scott WR, Seshadri S, Sever P, Sitlani CM, Smith

- JA, Snieder H, Starr JM, Strauch K, Tang H, Taylor KD, Teo YY, Tham YC, Uitterlinden AG, Waldenberger M, Wang L, Wang YX, Wei WB, Williams C, Wilson G, Wojczynski MK, Yao J, Yuan JM, Zonderman AB, Becker DM, Boehnke M, Bowden DW, Chambers JC, Chen YI, de Faire U, Deary IJ, Esko T, Farrall M, Forrester T, Franks PW, Freedman BI, Froguel P, Gasparini P, Gieger C, Horta BL, Hung YJ, Jonas JB, Kato N, Kooner JS, Laakso M, Lehtimäki T, Liang KW, Magnusson PKE, Newman AB, Oldehinkel AJ, Pereira AC, Redline S, Rettig R, Samani NJ, Scott J, Shu XO, van der Harst P, Wagenknecht LE, Wareham NJ, Watkins H, Weir DR, Wickremasinghe AR, Wu T, Zheng W, Kamatani Y, Laurie CC, **Bouchard C**, Cooper RS, Evans MK, Gudnason V, Kardia SLR, Kritchevsky SB, Levy D, O'Connell JR, Psaty BM, van Dam RM, Sims M, Arnett DK, Mook-Kanamori DO, Kelly TN, Fox ER, Hayward C, Fornage M, Rotimi CN, Province MA, van Duijn CM, Tai ES, Wong TY, Loos RJF, Reiner AP, Rotter JI, Zhu X, Bierut LJ, Gauderman WJ, Caulfield MJ, Elliott P, Rice K, Munroe PB, Morrison AC, Cupples LA, Rao DC, and Chasman DI. A Large-Scale Multi-ancestry Genome-wide Study Accounting for Smoking Behavior Identifies Multiple Significant Loci for Blood Pressure. *Am J Hum Genet* 102: 375-400, 2018. PMID: 29455858.
- (1198) Jacob R, Drapeau V, Tremblay A, Provencher V, **Bouchard C**, Perusse L. The role of eating behavior traits in mediating genetic susceptibility to obesity. *Am J Clin Nutr*. 108(3):445-52, 2018. PMID: 29982344.
- (1199) Feitosa MF, Kraja AT, Chasman DI, Sung YJ, Winkler TW, Ntalla I, Guo X, Franceschini N, Cheng CY, Sim X, Vojinovic D, Marten J, Musani SK, Li C, Bentley AR, Brown MR, Schwander K, Richard MA, Noordam R, Aschard H, Bartz TM, Bielak LF, Dorajoo R, Fisher V, Hartwig FP, Horimoto A, Lohman KK, Manning AK, Rankinen T, Smith AV, Tajuddin SM, Wojczynski MK, Alver M, Boissel M, Cai Q, Campbell A, Chai JF, Chen X, Divers J, Gao C, Goel A, Hagemeijer Y, Harris SE, He M, Hsu FC, Jackson AU, Kahonen M, Kasturiratne A, Komulainen P, Kuhnelt B, Laguzzi F, Luan J, Matoba N, Nolte IM, Padmanabhan S, Riaz M, Rueedi R, Robino A, Said MA, Scott RA, Sofer T, Stancakova A, Takeuchi F, Tayo BO, van der Most PJ, Varga TV, Vitart V, Wang Y, Ware EB, Warren HR, Weiss S, Wen W, Yanek LR, Zhang W, Zhao JH, Afaq S, Amin N, Amini M, Arking DE, Aung T, Boerwinkle E, Borecki I, Broeckel U, Brown M, Brumat M, Burke GL, Canouil M, Chakravarti A, Charumathi S, Ida Chen YD, Connell JM, Correa A, de Las Fuentes L, de Mutsert R, de Silva HJ, Deng X, Ding J, Duan Q, Eaton CB, Ehret G, Eppinga RN, Evangelou E, Faul JD, Felix SB, Forouhi NG, Forrester T, Franco OH, Friedlander Y, Gandin I, Gao H, Ghanbari M, Gigante B, Gu CC, Gu D, Hagenaars SP, Hallmans G, Harris TB, He J, Heikkinen S, Heng CK, Hirata M, Howard BV, Ikram MA, InterAct C, John U, Katsuya T, Khor CC, Kilpelainen TO, Koh WP, Krieger JE, Kritchevsky SB, Kubo M, Kuusisto J, Lakka TA, Langefeld CD, Langenberg C, Launer LJ, Lehne B, Lewis CE, Li Y, Lin S, Liu J, Liu J, Loh M, Louie T, Magi R, McKenzie CA, Meitinger T, Metspalu A, Milanese Y, Milani L, Mohlke KL, Momozawa Y, Nalls MA, Nelson CP, Sotoodehnia N, Norris JM, O'Connell JR, Palmer ND, Perls T, Pedersen NL, Peters A, Peyser PA, Poulter N, Raffel LJ, Raitakari OT, Roll K, Rose LM, Rosendaal FR, Rotter JI, Schmidt CO, Schreiner PJ, Schupf N, Scott WR, Sever PS, Shi Y, Sidney S, Sims M, Sitlani CM, Smith JA, Snieder H, Starr JM, Strauch K, Stringham HM, Tan NYQ, Tang H, Taylor KD, Teo YY, Tham YC, Turner ST, Uitterlinden AG,

- Vollenweider P, Waldenberger M, Wang L, Wang YX, Wei WB, Williams C, Yao J, Yu C, Yuan JM, Zhao W, Zonderman AB, Becker DM, Boehnke M, Bowden DW, Chambers JC, Deary IJ, Esko T, Farrall M, Franks PW, Freedman BI, Froguel P, Gasparini P, Gieger C, Jonas JB, Kamatani Y, Kato N, Kooner JS, Kutalik Z, Laakso M, Laurie CC, Leander K, Lehtimäki T, Study LC, Magnusson PKE, Oldehinkel AJ, Penninx B, Polasek O, Porteous DJ, Rauramaa R, Samani NJ, Scott J, Shu XO, van der Harst P, Wagenknecht LE, Wareham NJ, Watkins H, Weir DR, Wickremasinghe AR, Wu T, Zheng W, **Bouchard C**, Christensen K, Evans MK, Gudnason V, Horta BL, Kardia SLR, Liu Y, Pereira AC, Psaty BM, Ridker PM, van Dam RM, Gauderman WJ, Zhu X, Mook-Kanamori DO, Fornage M, Rotimi CN, Cupples LA, Kelly TN, Fox ER, Hayward C, van Duijn CM, Tai ES, Wong TY, Kooperberg C, Palmas W, Rice K, Morrison AC, Elliott P, Caulfield MJ, Munroe PB, Rao DC, Province MA, Levy D. Novel genetic associations for blood pressure identified via gene-alcohol interaction in up to 570K individuals across multiple ancestries. *PLoS One* 13(6):e0198166, 2018. PMID: 29912962.
- (1200) Barber JL, Kraus WE, Church TS, Hagberg JM, Thompson PD, Bartlett DB, Beets MW, Earnest CP, Huffman KM, Landers-Ramos RQ, Leon AS, Rao DC, Seip RL, Skinner JS, Slentz CA, Wilund KR, **Bouchard C**, Sarzynski MA. Effects of Regular Endurance Exercise on GlycA: Combined Analysis of 14 Exercise Interventions. *Atherosclerosis* 277:1-6, 2018. PMID: 30170218. PMCID: PMC6298739.
- (1201) He Z, Rankinen T, Leon AS, Skinner J, Tchernof A, **Bouchard C**. Plasma steroids are not associated with resting and exercise blood pressure. *Int J Sports Med*. 39(13):967-71, 2018. PMID: 30290373.
- (1202) Bouchard C, Katzmarzyk PT, Ross R. Physical activity and the development of obesity. In T. Wadden and G.A. Bray (Eds.). *Handbook of Obesity Treatment, 2<sup>nd</sup> Edition*. Guilford Press, New York. pp.105-122, 2018.
- (1203) Merino J, Dashti HS, Li SX, Sarnowski C, Justice AE, Graff M, Papoutsakis C, Smith CE, Dedoussis GV, Lemaitre RN, Wojczynski MK, Mannisto S, Ngwa JS, Kho M, Ahluwalia TS, Pervjakova N, Houston DK, **Bouchard C**, Huang T, Orho-Melander M, Frazier-Wood AC, Mook-Kanamori DO, Perusse L, Pennell CE, de Vries PS, Voortman T, Li O, Kanoni S, Rose LM, Lehtimäki T, Zhao JH, Feitosa MF, Luan J, McKeown NM, Smith JA, Hansen T, Eklund N, Nalls MA, Rankinen T, Huang J, Hernandez DG, Schulz CA, Manichaikul A, Li-Gao R, Vohl MC, Wang CA, van Rooij FJA, Shin J, Kalafati IP, Day F, Ridker PM, Kahonen M, Siscovick DS, Langenberg C, Zhao W, Astrup A, Knekt P, Garcia M, Rao DC, Qi Q, Ferrucci L, Ericson U, Blangero J, Hofman A, Pausova Z, Mikkilä V, Wareham NJ, Kardia SLR, Pedersen O, Jula A, Curran JE, Zillikens MC, Viikari JS, Forouhi NG, Ordovas JM, Lieske JC, Rissanen H, Uitterlinden AG, Raitakari OT, Kieft-de Jong JC, Dupuis J, Rotter JJ, North KE, Scott RA, Province MA, Perola M, Cupples LA, Turner ST, Sorensen TIA, Salomaa V, Liu Y, Sung YJ, Qi L, Bandinelli S, Rich SS, de Mutsert R, Tremblay A, Oddy WH, Franco OH, Paus T, Florez JC, Deloukas P, Lyytikäinen LP, Chasman DI, Chu AY, Tanaka T. Genome-wide Meta-Analysis of Macronutrient Intake of 91,114 European ancestry participants from the Cohorts for

- Heart and Aging Research in Genomic Epidemiology Consortium. *Molecular Psychiatry*. Dec 2019;24(12):1920-32. PMID: 29988085. PMCID: PMC6326896.
- (1204) Silbernagel G, Scharnagl H, Kleber ME, Delgado G, Stojakovic T, Laaksonen R, Erdmann J, Rankinen T, **Bouchard C**, Landmesser U, Schunkert H, Marz W, Grammer TB. LDL triglycerides, hepatic lipase activity, and coronary artery disease: An epidemiologic and Mendelian randomization study. *Atherosclerosis*. 282:37-44, 2019. PMID: 30685440.
- (1205) Ghosh S, Hota M, Chai X, Kiranya J, Ghosh P, He Z, Ruiz-Ramie JJ, Sarzynski MA, **Bouchard C**. Exploring the underlying biology of intrinsic cardiorespiratory fitness through integrative analysis of genomic variants and muscle gene expression profiling. *J Appl Physiol (1985)*. 126:1292-314, 2019. PMID: 30605401.
- (1206) Castro A, Duft RG, Ferreira MLV, Andrade ALL, Gaspari AF, Silva LM, Oliveira-Nunes SG, Cavaglieri CR, Ghosh S, **Bouchard C**, Chacon-Mikahil MPT. Association of skeletal muscle and serum metabolites with maximum power output gains in response to continuous endurance or high-intensity interval training programs: The times study - a randomized controlled trial. *PLoS One*. 14(2):e0212115, 2019. PMID: 30742692.
- (1207) Ross R, Goodpaster BH, Koch LG, Sarzynski MA, Kohrt WM, Johannsen NM, Skinner JS, Castro A, Irving BA, Noland RC, Sparks LM, Spielmann G, Day AG, Pitsch W, Hopkins WG, **Bouchard C**. Precision exercise medicine: Understanding exercise response variability. *Br J Sports Med*. 53(18):1141-1153, 2019. PMID: 30862704.
- (1208) Bentley AR, Sung YJ, Brown MR, Winkler TW, Kraja AT, Ntalla I, Schwander K, Chasman DI, Lim E, Deng X, Guo X, Liu J, Lu Y, Cheng CY, Sim X, Vojinovic D, Huffman JE, Musani SK, Li C, Feitosa MF, Richard MA, Noordam R, Baker J, Chen G, Aschard H, Bartz TM, Ding J, Dorajoo R, Manning AK, Rankinen T, Smith AV, Tajuddin SM, Zhao W, Graff M, Alver M, Boissel M, Chai JF, Chen X, Divers J, Evangelou E, Gao C, Goel A, Hagemeijer Y, Harris SE, Hartwig FP, He M, Horimoto A, Hsu FC, Hung YJ, Jackson AU, Kasturiratne A, Komulainen P, Kuhnel B, Leander K, Lin KH, Luan J, Lyytikainen LP, Matoba N, Nolte IM, Pietzner M, Prins B, Riaz M, Robino A, Said MA, Schupf N, Scott RA, Sofer T, Stancakova A, Takeuchi F, Tayo BO, van der Most PJ, Varga TV, Wang TD, Wang Y, Ware EB, Wen W, Xiang YB, Yanek LR, Zhang W, Zhao JH, Adeyemo A, Afaq S, Amin N, Amini M, Arking DE, Arzumanyan Z, Aung T, Ballantyne C, Barr RG, Bielak LF, Boerwinkle E, Bottinger EP, Broeckel U, Brown M, Cade BE, Campbell A, Canouil M, Charumathi S, Chen YI, Christensen K, Consortium CO-K, Concas MP, Connell JM, de Las Fuentes L, de Silva HJ, de Vries PS, Doumatey A, Duan Q, Eaton CB, Eppinga RN, Faul JD, Floyd JS, Forouhi NG, Forrester T, Friedlander Y, Gandin I, Gao H, Ghanbari M, Gharib SA, Gigante B, Giulianini F, Grabe HJ, Gu CC, Harris TB, Heikkinen S, Heng CK, Hirata M, Hixson JE, Ikram MA, Consortium EP-I, Jia Y, Joehanes R, Johnson C, Jonas JB, Justice AE, Katsuya T, Khor CC, Kilpelainen TO, Koh WP, Kolcic I, Kooperberg C, Krieger JE, Kritchevsky SB, Kubo M, Kuusisto J, Lakka TA, Langefeld CD, Langenberg C, Launer LJ, Lehne B, Lewis CE, Li Y, Liang J, Lin S, Liu CT, Liu J, Liu K, Loh M, Lohman KK, Louie T,

- Luzzi A, Magi R, Mahajan A, Manichaikul AW, McKenzie CA, Meitinger T, Metspalu A, Milanese Y, Milani L, Mohlke KL, Momozawa Y, Morris AP, Murray AD, Nalls MA, Nauck M, Nelson CP, North KE, O'Connell JR, Palmer ND, Papanicolaou GJ, Pedersen NL, Peters A, Peyser PA, Polasek O, Poulter N, Raitakari OT, Reiner AP, Renstrom F, Rice TK, Rich SS, Robinson JG, Rose LM, Rosendaal FR, Rudan I, Schmidt CO, Schreiner PJ, Scott WR, Sever P, Shi Y, Sidney S, Sims M, Smith JA, Snieder H, Starr JM, Strauch K, Stringham HM, Tan NYQ, Tang H, Taylor KD, Teo YY, Tham YC, Tiemeier H, Turner ST, Uitterlinden AG, Understanding Society Scientific G, van Heemst D, Waldenberger M, Wang H, Wang L, Wang L, Wei WB, Williams CA, Wilson G, Sr., Wojczynski MK, Yao J, Young K, Yu C, Yuan JM, Zhou J, Zonderman AB, Becker DM, Boehnke M, Bowden DW, Chambers JC, Cooper RS, de Faire U, Deary IJ, Elliott P, Esko T, Farrall M, Franks PW, Freedman BI, Froguel P, Gasparini P, Gieger C, Horta BL, Juang JJ, Kamatani Y, Kammerer CM, Kato N, Kooner JS, Laakso M, Laurie CC, Lee IT, Lehtimäki T, Lifelines C, Magnusson PKE, Oldehinkel AJ, Penninx B, Pereira AC, Rauramaa R, Redline S, Samani NJ, Scott J, Shu XO, van der Harst P, Wagenknecht LE, Wang JS, Wang YX, Wareham NJ, Watkins H, Weir DR, Wickremasinghe AR, Wu T, Zeggini E, Zheng W, **Bouchard C**, Evans MK, Gudnason V, Kardina SLR, Liu Y, Psaty BM, Ridker PM, van Dam RM, Mook-Kanamori DO, Fornage M, Province MA, Kelly TN, Fox ER, Hayward C, van Duijn CM, Tai ES, Wong TY, Loos RJF, Franceschini N, Rotter JI, Zhu X, Bierut LJ, Gauderman WJ, Rice K, Munroe PB, Morrison AC, Rao DC, Rotimi CN, Cupples LA. Multi-ancestry genome-wide gene-smoking interaction study of 387,272 individuals identifies new loci associated with serum lipids. *Nat Genet.* 2019;51(4):636-48. PMID: 30926973.
- (1209) de Vries PS, Brown MR, Bentley AR, Sung YJ, Winkler TW, Ntalla I, Schwander K, Kraja AT, Guo X, Franceschini N, Cheng CY, Sim X, Vojinovic D, Huffman JE, Musani SK, Li C, Feitosa MF, Richard MA, Noordam R, Aschard H, Bartz TM, Bielak LF, Deng X, Dorajoo R, Lohman KK, Manning AK, Rankinen T, Smith AV, Tajuddin SM, Evangelou E, Graff M, Alver M, Boissel M, Chai JF, Chen X, Divers J, Gandin I, Gao C, Goel A, Hagemeijer Y, Harris SE, Hartwig FP, He M, Horimoto A, Hsu FC, Jackson AU, Kasturiratne A, Komulainen P, Kuhnel B, Laguzzi F, Lee JH, Luan J, Lyytikäinen LP, Matoba N, Nolte IM, Pietzner M, Riaz M, Said MA, Scott RA, Sofer T, Stancakova A, Takeuchi F, Tayo BO, van der Most PJ, Varga TV, Wang Y, Ware EB, Wen W, Yanek LR, Zhang W, Zhao JH, Afaq S, Amin N, Amini M, Arking DE, Aung T, Ballantyne C, Boerwinkle E, Broeckel U, Campbell A, Canouil M, Charumathi S, Chen YI, Connell JM, de Faire U, de Las Fuentes L, de Mutsert R, de Silva HJ, Ding J, Dominiczak AF, Duan Q, Eaton CB, Eppinga RN, Faul JD, Fisher V, Forrester T, Franco OH, Friedlander Y, Ghanbari M, Giulianini F, Grabe HJ, Grove ML, Gu CC, Harris TB, Heikkinen S, Heng CK, Hirata M, Hixson JE, Howard BV, Ikram MA, InterAct C, Jacobs DR, Jr., Johnson C, Jonas JB, Kammerer CM, Katsuya T, Khor CC, Kilpeläinen TO, Koh WP, Koistinen HA, Kolcic I, Kooperberg C, Krieger JE, Kritchevsky SB, Kubo M, Kuusisto J, Lakka TA, Langefeld CD, Langenberg C, Launer LJ, Lehne B, Lemaitre RN, Li Y, Liang J, Liu J, Liu K, Loh M, Louie T, Magi R, Manichaikul AW, McKenzie CA, Meitinger T, Metspalu A, Milanese Y, Milani L, Mohlke KL, Mosley TH, Jr., Mukamal KJ, Nalls MA, Nauck M, Nelson CP, Sotoodehnia N, O'Connell JR, Palmer ND, Pazoki R, Pedersen NL, Peters A, Peyser PA, Polasek O, Poulter N, Raffel LJ, Raitakari OT, Reiner

- AP, Rice TK, Rich SS, Robino A, Robinson JG, Rose LM, Rudan I, Schmidt CO, Schreiner PJ, Scott WR, Sever P, Shi Y, Sidney S, Sims M, Smith BH, Smith JA, Snieder H, Starr JM, Strauch K, Tan N, Taylor KD, Teo YY, Tham YC, Uitterlinden AG, van Heemst D, Vuckovic D, Waldenberger M, Wang L, Wang Y, Wang Z, Wei WB, Williams C, Wilson G, Sr., Wojczynski MK, Yao J, Yu B, Yu C, Yuan JM, Zhao W, Zonderman AB, Becker DM, Boehnke M, Bowden DW, Chambers JC, Deary IJ, Esko T, Farrall M, Franks PW, Freedman BI, Froguel P, Gasparini P, Gieger C, Horta BL, Kamatani Y, Kato N, Kooner JS, Laakso M, Leander K, Lehtimäki T, Lifelines Cohort GTN, Magnusson PKE, Penninx B, Pereira AC, Rauramaa R, Samani NJ, Scott J, Shu XO, van der Harst P, Wagenknecht LE, Wang YX, Wareham NJ, Watkins H, Weir DR, Wickremasinghe AR, Zheng W, Elliott P, North KE, **Bouchard C**, Evans MK, Gudnason V, Liu CT, Liu Y, Psaty BM, Ridker PM, van Dam RM, Kardia SLR, Zhu X, Rotimi CN, Mook-Kanamori DO, Fornage M, Kelly TN, Fox ER, Hayward C, van Duijn CM, Tai ES, Wong TY, Liu J, Rotter JJ, Gauderman WJ, Province MA, Munroe PB, Rice K, Chasman DI, Cupples LA, Rao DC, Morrison AC. Multi-ancestry genome-wide association study of lipid levels incorporating gene-alcohol interactions. *Am J Epidemiol*. 2019;188(6):1033-1054. PMID: 30698716. PMCID: PMC6545280.
- (1210) Robbins JM, Herzig M, Morningstar J, Sarzynski MA, Cruz DE, Wang TJ, Gao Y, Wilson JG, **Bouchard C**, Rankinen T, Gerszten RE. Association of dimethylguanidino valeric acid with partial resistance to metabolic health benefits of regular exercise. *JAMA Cardiol*. 2019;4(7):636-643. PMID: 31166569. PMCID: PMC6551586
- (1211) Barber JL, Zellars KN, Barringhaus KG, **Bouchard C**, Spinale FG, Sarzynski MA. The effects of regular exercise on circulating cardiovascular-related microRNAs. *Sci Rep*. 2019;9(1):7527. PMID: 31101833.
- (1212) Sluik D, Brouwer-Brolsma EM, Berendsen AAM, Mikkilä V, Poppitt SD, Silvestre MP, Tremblay A, Perusse L, **Bouchard C**, Raben A, Feskens EJM. Protein intake and the incidence of pre-diabetes and diabetes in 4 population-based studies: The PREVIEW project. *Am J Clin Nutr*. 2019;109:1310-1318. PMID: 31051510.
- (1213) Bouchard C. DNA sequence variations contribute to variability in fitness and trainability. *Med Sci Sports Exerc*. 2019;51(8):1781-1785. PMID: 31305368.
- (1214) Sung YJ, de Las Fuentes L, Winkler TW, Chasman DI, Bentley AR, Kraja AT, Ntalla I, Warren HR, Guo X, Schwander K, Manning AK, Brown MR, Aschard H, Feitosa MF, Franceschini N, Lu Y, Cheng CY, Sim X, Vojinovic D, Marten J, Musani SK, Kilpeläinen TO, Richard MA, Aslibekyan S, Bartz TM, Dorajoo R, Li C, Liu Y, Rankinen T, Smith AV, Tajuddin SM, Tayo BO, Zhao W, Zhou Y, Matoba N, Sofer T, Alver M, Amini M, Boissel M, Chai JF, Chen X, Divers J, Gandin I, Gao C, Giulianini F, Goel A, Harris SE, Hartwig FP, He M, Horimoto A, Hsu FC, Jackson AU, Kammerer CM, Kasturiratne A, Komulainen P, Kuhnel B, Leander K, Lee WJ, Lin KH, Luan J, Lyytikäinen LP, McKenzie CA, Nelson CP, Noordam R, Scott RA, Sheu WHH, Stancakova A, Takeuchi F, van der Most PJ, Varga TV, Waken RJ, Wang H, Wang Y, Ware EB, Weiss S, Wen W, Yanek LR, Zhang W, Zhao JH, Afaq S, Alfred T, Amin N, Arking DE, Aung T, Barr RG,

- Bielak LF, Boerwinkle E, Bottinger EP, Braund PS, Brody JA, Broeckel U, Cade B, Campbell A, Canouil M, Chakravarti A, Cocca M, Collins FS, Connell JM, de Mutsert R, de Silva HJ, Dorr M, Duan Q, Eaton CB, Ehret G, Evangelou E, Faul JD, Forouhi NG, Franco OH, Friedlander Y, Gao H, Gigante B, Gu CC, Gupta P, Hagenaars SP, Harris TB, He J, Heikkinen S, Heng CK, Hofman A, Howard BV, Hunt SC, Irvin MR, Jia Y, Katsuya T, Kaufman J, Kerrison ND, Khor CC, Koh WP, Koistinen HA, Kooperberg CB, Krieger JE, Kubo M, Kutalik Z, Kuusisto J, Lakka TA, Langefeld CD, Langenberg C, Launer LJ, Lee JH, Lehne B, Levy D, Lewis CE, Li Y, Lifelines Cohort S, Lim SH, Liu CT, Liu J, Liu J, Liu Y, Loh M, Lohman KK, Louie T, Magi R, Matsuda K, Meitinger T, Metspalu A, Milani L, Momozawa Y, Mosley TH, Jr., Nalls MA, Nasri U, O'Connell JR, Ogunniyi A, Palmas WR, Palmer ND, Pankow JS, Pedersen NL, Peters A, Peyser PA, Polasek O, Porteous D, Raitakari OT, Renstrom F, Rice TK, Ridker PM, Robino A, Robinson JG, Rose LM, Rudan I, Sabanayagam C, Salako BL, Sadow K, Schmidt CO, Schreiner PJ, Scott WR, Sever P, Sims M, Sitlani CM, Smith BH, Smith JA, Snieder H, Starr JM, Strauch K, Tang H, Taylor KD, Teo YY, Tham YC, Uitterlinden AG, Waldenberger M, Wang L, Wang YX, Wei WB, Wilson G, Wojczynski MK, Xiang YB, Yao J, Yuan JM, Zonderman AB, Becker DM, Boehnke M, Bowden DW, Chambers JC, Chen YI, Weir DR, de Faire U, Deary IJ, Esko T, Farrall M, Forrester T, Freedman BI, Froguel P, Gasparini P, Gieger C, Horta BL, Hung YJ, Jonas JB, Kato N, Kooner JS, Laakso M, Lehtimäki T, Liang KW, Magnusson PKE, Oldehinkel AJ, Pereira AC, Perls T, Rauramaa R, Redline S, Rettig R, Samani NJ, Scott J, Shu XO, van der Harst P, Wagenknecht LE, Wareham NJ, Watkins H, Wickremasinghe AR, Wu T, Kamatani Y, Laurie CC, **Bouchard C**, Cooper RS, Evans MK, Gudnason V, Hixson J, Kardia SLR, Kritchevsky SB, Psaty BM, van Dam RM, Arnett DK, Mook-Kanamori DO, Fornage M, Fox ER, Hayward C, van Duijn CM, Tai ES, Wong TY, Loos RJF, Reiner AP, Rotimi CN, Bierut LJ, Zhu X, Cupples LA, Province MA, Rotter JI, Franks PW, Rice K, Elliott P, Caulfield MJ, Gauderman WJ, Munroe PB, Rao DC, Morrison AC. A multi-ancestry genome-wide study incorporating gene-smoking interactions identifies multiple new loci for pulse pressure and mean arterial pressure. *Hum Mol Genet.* 2019;28(15):2615-2633. PMID: 31127295. PMCID: PMC6644157.
- (1215) Clark DW, Okada Y, Moore KHS, Mason D, Pirastu N, Gandin I, Mattsson H, Barnes CLK, Lin K, Zhao JH, Deelen P, Rohde R, Schurmann C, Guo X, Giulianini F, Zhang W, Medina-Gomez C, Karlsson R, Bao Y, Bartz TM, Baumbach C, Biino G, Bixley MJ, Brumat M, Chai JF, Corre T, Cousminer DL, Dekker AM, Eccles DA, van Eijk KR, Fuchsberger C, Gao H, Germain M, Gordon SD, de Haan HG, Harris SE, Hofer E, Huerta-Chagoya A, Igartua C, Jansen IE, Jia Y, Kacprowski T, Karlsson T, Kleber ME, Li SA, Li-Gao R, Mahajan A, Matsuda K, Meidtner K, Meng W, Montasser ME, van der Most PJ, Munz M, Nobile T, Palviainen T, Prasad G, Prasad RB, Priyanka TDS, Rizzi F, Salvi E, Sapkota BR, Shriner D, Skotte L, Smart MC, Smith AV, van der Spek A, Spracklen CN, Strawbridge RJ, Tajuddin SM, Trompet S, Turman C, Verweij N, Viberti C, Wang L, Warren HR, Wootton RE, Yanek LR, Yao J, Yousri NA, Zhao W, Adeyemo AA, Afaq S, Aguilar-Salinas CA, Akiyama M, Albert ML, Allison MA, Alver M, Aung T, Azizi F, Bentley AR, Boeing H, Boerwinkle E, Borja JB, de Borst GJ, Bottinger EP, Broer L, Campbell H, Chanock S, Chee ML, Chen G, Chen YI, Chen Z, Chiu YF, Cocca M, Collins FS, Concas MP, Corley J, Cugliari G, van Dam RM, Damulina A, Daneshpour



MS, Day FR, Delgado GE, Dhana K, Doney ASF, Dorr M, Doumatey AP, Dzimir N, Ebenesersdottir SS, Elliott J, Elliott P, Ewert R, Felix JF, Fischer K, Freedman BI, Girotto G, Goel A, Gogele M, Goodarzi MO, Graff M, Granot-HersHKovitz E, Grodstein F, Guarrera S, Gudbjartsson DF, Guity K, Gunnarsson B, Guo Y, Hagenaars SP, Haiman CA, Halevy A, Harris TB, Hedayati M, van Heel DA, Hirata M, Hofer I, Hsiung CA, Huang J, Hung YJ, Ikram MA, Jagadeesan A, Jousilahti P, Kamatani Y, Kanai M, Kerrison ND, Kessler T, Khaw KT, Khor CC, de Kleijn DPV, Koh WP, Kolcic I, Kraft P, Kramer BK, Kutalik Z, Kuusisto J, Langenberg C, Launer LJ, Lawlor DA, Lee IT, Lee WJ, Lerch MM, Li L, Liu J, Loh M, London SJ, Loomis S, Lu Y, Luan J, Magi R, Manichaikul AW, Manunta P, Masson G, Matoba N, Mei XW, Meisinger C, Meitinger T, Mezzavilla M, Milani L, Millwood IY, Momozawa Y, Moore A, Morange PE, Moreno-Macias H, Mori TA, Morrison AC, Muka T, Murakami Y, Murray AD, de Mutsert R, Mychaleckyj JC, Nalls MA, Nauck M, Neville MJ, Nolte IM, Ong KK, Orozco L, Padmanabhan S, Palsson G, Pankow JS, Pattaro C, Pattie A, Polasek O, Poulter N, Pramstaller PP, Quintana-Murci L, Raikonen K, Ralhan S, Rao DC, van RheeNen W, Rich SS, Ridker PM, Rietveld CA, Robino A, van Rooij FJA, Ruggiero D, Saba Y, Sabanayagam C, Sabater-Lleal M, Sala CF, Salomaa V, Sandow K, Schmidt H, Scott LJ, Scott WR, Sedaghati-Khayat B, Sennblad B, van Setten J, Sever PJ, Sheu WH, Shi Y, Shrestha S, Shukla SR, Sigurdsson JK, Sikka TT, Singh JR, Smith BH, Stancakova A, Stanton A, Starr JM, Stefansdottir L, Straker L, Sulem P, Sveinbjornsson G, Swertz MA, Taylor AM, Taylor KD, Terzikhan N, Tham YC, Thorleifsson G, Thorsteinsdottir U, Tillander A, Tracy RP, Tusie-Luna T, Tzoulaki I, Vaccargiu S, Vangipurapu J, Veldink JH, Vitart V, Volker U, Vuoksima E, Wakil SM, Waldenberger M, Wander GS, Wang YX, Wareham NJ, Wild S, Yajnik CS, Yuan JM, Zeng L, Zhang L, Zhou J, Amin N, Asselbergs FW, Bakker SJL, Becker DM, Lehne B, Bennett DA, van den Berg LH, Berndt SI, Bharadwaj D, Bielak LF, Bochud M, Boehnke M, **Bouchard C**, Bradfield JP, Brody JA, Campbell A, Carmi S, Caulfield MJ, Cesarini D, Chambers JC, Chandak GR, Cheng CY, Ciullo M, Cornelis M, Cusi D, Smith GD, Deary IJ, Dorajoo R, van Duijn CM, Ellinghaus D, Erdmann J, Eriksson JG, Evangelou E, Evans MK, Faul JD, Feenstra B, Feitosa M, Foisy S, Franke A, Friedlander Y, Gasparini P, Gieger C, Gonzalez C, Goyette P, Grant SFA, Griffiths LR, Groop L, Gudnason V, Gyllensten U, Hakonarson H, Hamsten A, van der Harst P, Heng CK, Hicks AA, Hochner H, Huikuri H, Hunt SC, Jaddoe VWV, De Jager PL, Johannesson M, Johansson A, Jonas JB, Jukema JW, Junttila J, Kaprio J, Kardia SLR, Karpe F, Kumari M, Laakso M, van der Laan SW, Lahti J, Laudes M, Lea RA, Lieb W, Lumley T, Martin NG, Marz W, Matullo G, McCarthy MI, Medland SE, Merriman TR, Metspalu A, Meyer BF, Mohlke KL, Montgomery GW, Mook-Kanamori D, Munroe PB, North KE, Nyholt DR, O'Connell J R, Ober C, Oldehinkel AJ, Palmas W, Palmer C, Pasterkamp GG, Patin E, Pennell CE, Perusse L, Peyser PA, Pirastu M, Polderman TJC, Porteous DJ, Posthuma D, Psaty BM, Rioux JD, Rivadeneira F, Rotimi C, Rotter JI, Rudan I, Den Ruijter HM, Sanghera DK, Sattar N, Schmidt R, Schulze MB, Schunkert H, Scott RA, Shuldiner AR, Sim X, Small N, Smith JA, Sotoodehnia N, Tai ES, Teumer A, Timpson NJ, Toniolo D, Tregouet DA, Tuomi T, Vollenweider P, Wang CA, Weir DR, Whitfield JB, Wijmenga C, Wong TY, Wright J, Yang J, Yu L, Zemel BS, Zonderman AB, Perola M, Magnusson PKE, Uitterlinden AG, Kooner JS, Chasman DI, Loos RJJ, Franceschini N, Franke L, Haley CS, Hayward C, Walters RG, Perry JRB, Esko T, Helgason A, Stefansson K, Joshi PK, Kubo M, Wilson

- JF. Associations of autozygosity with a broad range of human phenotypes. Nat Commun. 2019;10(1):4957. PMID: 31673082. PMCID: PMC6823371.
- (1216) de Toro-Martín J, Guénard F, **Bouchard C**, Tremblay A, Pérusse L, Vohl MC. The Challenge of Stratifying Obesity: Attempts in the Quebec Family Study. Front Genet. 2019;10:994. PMID: 31649740. PMCID: PMC6796792.
- (1217) Williams SA, Kivimaki M, Langenberg C, Hingorani AD, Casas JP, **Bouchard C**, Jonasson C, Sarzynski MA, Shipley MJ, Alexander L, Ash J, Bauer T, Chadwick J, Datta G, DeLisle RK, Hagar Y, Hinterberg M, Ostroff R, Weiss S, Ganz P, Wareham NJ. Plasma protein patterns as comprehensive indicators of health. Nat Med. 2019;25:1851-1857. PMID: 31792462. PMCID: PMC6922049.
- (1218) Noordam R, Bos MM, Wang H, Winkler TW, Bentley AR, Kilpelainen TO, de Vries PS, Sung YJ, Schwander K, Cade BE, Manning A, Aschard H, Brown MR, Chen H, Franceschini N, Musani SK, Richard M, Vojinovic D, Aslibekyan S, Bartz TM, de Las Fuentes L, Feitosa M, Horimoto AR, Ilkov M, Kho M, Kraja A, Li C, Lim E, Liu Y, Mook-Kanamori DO, Rankinen T, Tajuddin SM, van der Spek A, Wang Z, Marten J, Laville V, Alver M, Evangelou E, Graff ME, He M, Kuhnelt B, Lyytikäinen LP, Marques-Vidal P, Nolte IM, Palmer ND, Rauramaa R, Shu XO, Snieder H, Weiss S, Wen W, Yanek LR, Adolfo C, Ballantyne C, Bielak L, Biermasz NR, Boerwinkle E, Dimou N, Eiriksdottir G, Gao C, Gharib SA, Gottlieb DJ, Haba-Rubio J, Harris TB, Heikkinen S, Heinzer R, Hixson JE, Homuth G, Ikram MA, Komulainen P, Krieger JE, Lee J, Liu J, Lohman KK, Luik AI, Magi R, Martin LW, Meitinger T, Metspalu A, Milaneschi Y, Nalls MA, O'Connell J, Peters A, Peyser P, Raitakari OT, Reiner AP, Rensen PCN, Rice TK, Rich SS, Roenneberg T, Rotter JJ, Schreiner PJ, Shikany J, Sidney SS, Sims M, Sitlani CM, Sofer T, Strauch K, Swertz MA, Taylor KD, Uitterlinden AG, van Duijn CM, Volzke H, Waldenberger M, Wallace RB, van Dijk KW, Yu C, Zonderman AB, Becker DM, Elliott P, Esko T, Gieger C, Grabe HJ, Lakka TA, Lehtimäki T, North KE, Penninx B, Vollenweider P, Wagenknecht LE, Wu T, Xiang YB, Zheng W, Arnett DK, **Bouchard C**, Evans MK, Gudnason V, Kardia S, Kelly TN, Kritchevsky SB, Loos RJJ, Pereira AC, Province M, Psaty BM, Rotimi C, Zhu X, Amin N, Cupples LA, Fornage M, Fox EF, Guo X, Gauderman WJ, Rice K, Kooperberg C, Munroe PB, Liu CT, Morrison AC, Rao DC, van Heemst D, Redline S. Multi-ancestry sleep-by-snp interaction analysis in 126,926 individuals reveals lipid loci stratified by sleep duration. Nat Commun. 2019;10(1):5121. PMID: 31719535. PMCID: PMC6851116.
- (1219) Bouchard C. Exercise Genomics, Epigenomics, and Transcriptomics: A Reality Check! In J.T. Lightfoot, M.J. Hubal, and S.M. Roth (Eds.). Routledge Handbook of Sport and Exercise Systems Genetics. Routledge, New York. pp.487-493, 2019.
- (1220) Wu P, Rybin D, Bielak LF, Feitosa MF, Franceschini N, Li Y, Lu Y, Marten J, Musani SK, Noordam R, Raghavan S, Rose LM, Schwander K, Smith AV, Tajuddin SM, Vojinovic D, Amin N, Arnett DK, Bottinger EP, Demirkan A, Florez JC, Ghanbari M, Harris TB, Launer LJ, Liu J, Liu J, Mook-Kanamori DO, Murray AD, Nalls MA, Peyser PA, Uitterlinden AG, Voortman T, **Bouchard C**, Chasman D, Correa A, de Mutsert R, Evans

- MK, Gudnason V, Hayward C, Kao L, Kardina SLR, Kooperberg C, Loos RJF, Province MM, Rankinen T, Redline S, Ridker PM, Rotter JI, Siscovick D, Smith BH, van Duijn C, Zonderman AB, Rao DC, Wilson JG, Dupuis J, Meigs JB, Liu CT, Vassy JL. Smoking-by-genotype interaction in type 2 diabetes risk and fasting glucose. PLoS One. 2020;15(5):e0230815. PMID: 32379818. PMCID: PMC7205201.
- (1221) Murthy VL, Xia R, Baldridge AS, Carnethon MR, Sidney S, **Bouchard C**, Sarzynski MA, Lima JAC, Lewis GD, Shah SJ, Fornage M, Shah RV. Polygenic risk, fitness, and obesity in the coronary artery risk development in young adults (cardia) study. JAMA Cardiol. 2020;5(3):40-48. PMID: 31913407. PMCID: PMC6990863.
- (1222) de Las Fuentes L, Sung YJ, Noordam R, Winkler T, Feitosa MF, Schwander K, Bentley AR, Brown MR, Guo X, Manning A, Chasman DI, Aschard H, Bartz TM, Bielak LF, Campbell A, Cheng CY, Dorajoo R, Hartwig FP, Horimoto A, Li C, Li-Gao R, Liu Y, Marten J, Musani SK, Ntalla I, Rankinen T, Richard M, Sim X, Smith AV, Tajuddin SM, Tayo BO, Vojinovic D, Warren HR, Xuan D, Alver M, Boissel M, Chai JF, Chen X, Christensen K, Divers J, Evangelou E, Gao C, Girotto G, Harris SE, He M, Hsu FC, Kuhnelt B, Laguzzi F, Li X, Lyytikainen LP, Nolte IM, Poveda A, Rauramaa R, Riaz M, Rueedi R, Shu XO, Snieder H, Sofer T, Takeuchi F, Verweij N, Ware EB, Weiss S, Yanek LR, Amin N, Arking DE, Arnett DK, Bergmann S, Boerwinkle E, Brody JA, Broeckel U, Brumat M, Burke G, Cabrera CP, Canouil M, Chee ML, Chen YI, Cocca M, Connell J, de Silva HJ, de Vries PS, Eiriksdottir G, Faul JD, Fisher V, Forrester T, Fox EF, Friedlander Y, Gao H, Gigante B, Giulianini F, Gu CC, Gu D, Harris TB, He J, Heikkinen S, Heng CK, Hunt S, Ikram MA, Irvin MR, Kahonen M, Kavousi M, Khor CC, Kilpelainen TO, Koh WP, Komulainen P, Kraja AT, Krieger JE, Langefeld CD, Li Y, Liang J, Liewald DCM, Liu CT, Liu J, Lohman KK, Magi R, McKenzie CA, Meitinger T, Metspalu A, Milanese Y, Milani L, Mook-Kanamori DO, Nalls MA, Nelson CP, Norris JM, O'Connell J, Ogunniyi A, Padmanabhan S, Palmer ND, Pedersen NL, Perls T, Peters A, Petersmann A, Peyser PA, Polasek O, Porteous DJ, Raffel LJ, Rice TK, Rotter JI, Rudan I, Rueda-Ochoa OL, Sabanayagam C, Salako BL, Schreiner PJ, Shikany JM, Sidney SS, Sims M, Sitlani CM, Smith JA, Starr JM, Strauch K, Swertz MA, Teumer A, Tham YC, Uitterlinden AG, Vaidya D, van der Ende MY, Waldenberger M, Wang L, Wang YX, Wei WB, Weir DR, Wen W, Yao J, Yu B, Yu C, Yuan JM, Zhao W, Zonderman AB, Becker DM, Bowden DW, Deary IJ, Dorr M, Esko T, Freedman BI, Froguel P, Gasparini P, Gieger C, Jonas JB, Kammerer CM, Kato N, Lakka TA, Leander K, Lehtimäki T, Lifelines Cohort S, Magnusson PKE, Marques-Vidal P, Penninx B, Samani NJ, van der Harst P, Wagenknecht LE, Wu T, Zheng W, Zhu X, **Bouchard C**, Cooper RS, Correa A, Evans MK, Gudnason V, Hayward C, Horta BL, Kelly TN, Kritchevsky SB, Levy D, Palmas WR, Pereira AC, Province MM, Psaty BM, Ridker PM, Rotimi CN, Tai ES, van Dam RM, van Duijn CM, Wong TY, Rice K, Gauderman WJ, Morrison AC, North KE, Kardina SLR, Caulfield MJ, Elliott P, Munroe PB, Franks PW, Rao DC, Fornage M. Gene-educational attainment interactions in a multi-ancestry genome-wide meta-analysis identify novel blood pressure loci. Mol Psychiatry. 2021; June 25, 6: 2111-2125. PMCID: PMC7641978. PMID: 32372009.

- (1223) Bray GA, Bouchard C. The biology of human overfeeding: A systematic review. Obes Rev. 2020;21(9):e13040. PMID: 32515127.
- (1224) Sarzynski MA, Bouchard C. World-class athletic performance and genetic endowment. Nat Metab. 2020;2(9):796-798. PMID: 32943784.
- (1225) Vellers HL, Verhein KC, Burkholder AB, Lee J, Kim Y, Lightfoot JT, Shi M, Weinberg CR, Sarzynski MA, **Bouchard C**, Kleeberger SR. Association between Mitochondrial DNA Sequence Variants and VO<sub>2</sub>max Trainability. Med Sci Sports Exerc. 2020;52(11):2303-2309. PMID: 33064405.
- (1226) Jacobson P, Peltonen M, Svensson PA, Taube M, Andersson-Assarsson JC, Sjöholm K, **Bouchard C**, Carlsson B, Carlsson LMS. 9p21.3 coronary artery disease locus identifies patients with treatment benefit from bariatric surgery in the nonrandomized prospective controlled Swedish obese subjects study. Circ Genom Precis Med. 2020;13(5):460-5. PMID: 32931306.
- (1227) Bouchard C. The study of human variability became a passion. Eur J Clin Nutr. 2022; 76(5); 631-636. PMID: 33649528.
- (1228) Bouchard C. Genetics of obesity: What we have learned over decades of research. Obesity (Silver Spring). 2021;29(5):802-20. PMID: 33899337.
- (1229) Wang H, Noordam R, Cade BE, Schwander K, Winkler TW, Lee J, Sung YJ, Bentley AR, Manning AK, Aschard H, Kilpelainen TO, Ilkov M, Brown MR, Horimoto AR, Richard M, Bartz TM, Vojinovic D, Lim E, Nierenberg JL, Liu Y, Chitrala K, Rankinen T, Musani SK, Franceschini N, Rauramaa R, Alver M, Zee PC, Harris SE, van der Most PJ, Nolte IM, Munroe PB, Palmer ND, Kuhnle B, Weiss S, Wen W, Hall KA, Lyytikäinen LP, O'Connell J, Eiriksdóttir G, Launer LJ, de Vries PS, Arking DE, Chen H, Boerwinkle E, Krieger JE, Schreiner PJ, Sidney S, Shikany JM, Rice K, Chen YI, Gharib SA, Bis JC, Luik AI, Ikram MA, Uitterlinden AG, Amin N, Xu H, Levy D, He J, Lohman KK, Zonderman AB, Rice TK, Sims M, Wilson G, Sofer T, Rich SS, Palmas W, Yao J, Guo X, Rotter JI, Biermasz NR, Mook-Kanamori DO, Martin LW, Barac A, Wallace RB, Gottlieb DJ, Komulainen P, Heikkinen S, Magi R, Milani L, Metspalu A, Starr JM, Milaneschi Y, Waken RJ, Gao C, Waldenberger M, Peters A, Strauch K, Meitinger T, Roenneberg T, Volker U, Dorr M, Shu XO, Mukherjee S, Hillman DR, Kahonen M, Wagenknecht LE, Gieger C, Grabe HJ, Zheng W, Palmer LJ, Lehtimäki T, Gudnason V, CV121Morrison AC, Pereira AC, Fornage M, Psaty BM, van Duijn CM, Liu CT, Kelly TN, Evans MK, **Bouchard C**, Fox ER, Kooperberg C, Zhu X, Lakka TA, Esko T, North KE, Deary IJ, Snieder H, Penninx B, Gauderman WJ, Rao DC, Redline S, van Heemst D. Multi-ancestry genome-wide gene-sleep interactions identify novel loci for blood pressure. Mol Psychiatry. 2021. PMCID: PMC8517040. PMID: 33859359.
- (1230) Ferri Marini C, Sisti D, Leon AS, Skinner JS, Sarzynski MA, **Bouchard C**, Rocchi MBL, Piccoli G, Stocchi V, Federici A, Lucertini F. HRR and VO<sub>2</sub>R fractions Are Not

- Equivalent: Is It time to Rethink Aerobic Exercise Prescription Methods? *Med Sci Sports Exerc.* 2021;53(1):174-182. PMID: 32694364.
- (1231) Robbins JM, Peterson B, Schraner D, Tahir UA, Rienmuller T, Deng S, Keyes MJ, Katz DH, Beltran PMJ, Barber JL, Baumgartner C, Carr SA, Ghosh S, Shen C, Jennings LL, Ross R, Sarzynski MA, **Bouchard C**, Gerszten RE. Human plasma proteomic profiles indicative of cardiorespiratory fitness. *Nat Metab.* 2021;3(6):786-797. PMID: 34045743.
- (1232) Robbins JM, Peterson B, Schraner D, Tahir UA, Rienmuller T, Deng S, Keyes MJ, Katz DH, Beltran PMJ, Barber JL, Baumgartner C, Carr SA, Ghosh S, Shen C, Jennings LL, Ross R, Sarzynski MA, Bouchard C, Gerszten RE. Author correction: Human plasma proteomic profiles indicative of cardiorespiratory fitness. *Nat Metab.* 2021;3(9):1275. PMID: 34446928.
- (1233) Takeshita LY, Davidsen PK, Herbert JM, Antczak P, Hesselink MKC, Schrauwen P, Weisnagel SJ, Robbins JM, Gerszten RE, Ghosh S, Sarzynski MA, **Bouchard C**, Falciani F. Genomics and transcriptomics landscapes associated to changes in insulin sensitivity in response to endurance exercise training. *Sci Rep.* 2021;11(1):23314. PMCID: PMC8639975. PMID: 34857871.
- (1234) Graham SE, Clarke SL, Wu KH, Kanoni S, Zajac GJM, Ramdas S, Surakka I, Ntalla I, Vedantam S, Winkler TW, Locke AE, Marouli E, Hwang MY, Han S, Narita A, Choudhury A, Bentley AR, Ekoru K, Verma A, Trivedi B, Martin HC, Hunt KA, Hui Q, Klarin D, Zhu X, Thorleifsson G, Helgadottir A, Gudbjartsson DF, Holm H, Olafsson I, Akiyama M, Sakaue S, Terao C, Kanai M, Zhou W, Brumpton BM, Rasheed H, Ruotsalainen SE, Havulinna AS, Veturli Y, Feng Q, Rosenthal EA, Lingren T, Pacheco JA, Pendergrass SA, Haessler J, Giulianini F, Bradford Y, Miller JE, Campbell A, Lin K, Millwood IY, Hindy G, Rasheed A, Faul JD, Zhao W, Weir DR, Turman C, Huang H, Graff M, Mahajan A, Brown MR, Zhang W, Yu K, Schmidt EM, Pandit A, Gustafsson S, Yin X, Luan J, Zhao JH, Matsuda F, Jang HM, Yoon K, Medina-Gomez C, Pitsillides A, Hottenga JJ, Willemsen G, Wood AR, Ji Y, Gao Z, Haworth S, Mitchell RE, Chai JF, Aadahl M, Yao J, Manichaikul A, Warren HR, Ramirez J, Bork-Jensen J, Karhus LL, Goel A, Sabater-Lleal M, Noordam R, Sidore C, Fiorillo E, McDaid AF, Marques-Vidal P, Wielscher M, Trompet S, Sattar N, Mollehave LT, Thuesen BH, Munz M, Zeng L, Huang J, Yang B, Poveda A, Kurbasic A, Lamina C, Forer L, Scholz M, Galesloot TE, Bradfield JP, Daw EW, Zmuda JM, Mitchell JS, Fuchsberger C, Christensen H, Brody JA, Feitosa MF, Wojczynski MK, Preuss M, Mangino M, Christofidou P, Verweij N, Benjamins JW, Engmann J, Kember RL, Slieker RC, Lo KS, Zilhao NR, Le P, Kleber ME, Delgado GE, Huo S, Ikeda DD, Iha H, Yang J, Liu J, Leonard HL, Marten J, Schmidt B, Arendt M, Smyth LJ, Canadas-Garre M, Wang C, Nakatochi M, Wong A, Hutri-Kahonen N, Sim X, Xia R, Huerta-Chagoya A, Fernandez-Lopez JC, Lyssenko V, Ahmed M, Jackson AU, Irvin MR, Oldmeadow C, Kim HN, Ryu S, Timmers P, Arbeeve L, Dorajoo R, Lange LA, Chai X, Prasad G, Lores-Motta L, Pauper M, Long J, Li X, Theusch E, Takeuchi F, Spracklen CN, Loukola A, Bollepalli S, Warner SC, Wang YX, Wei WB, Nutile T, Ruggiero D, Sung YJ, Hung YJ, Chen S, Liu F, Yang J, Kentistou KA, Gorski M, Brumat M, Meidtner K, Bielak LF, Smith JA, Hebbard P, Farmaki AE, Hofer E,

Lin M, Xue C, Zhang J, Concas MP, Vaccargiu S, van der Most PJ, Pitkanen N, Cade BE, Lee J, van der Laan SW, Chitralla KN, Weiss S, Zimmermann ME, Lee JY, Choi HS, Nethander M, Freitag-Wolf S, Southam L, Rayner NW, Wang CA, Lin SY, Wang JS, Couture C, Lyytikainen LP, Nikus K, Cuellar-Partida G, Vestergaard H, Hildalgo B, Giannakopoulou O, Cai Q, Obura MO, van Setten J, Li X, Schwander K, Terzikhan N, Shin JH, Jackson RD, Reiner AP, Martin LW, Chen Z, Li L, Highland HM, Young KL, Kawaguchi T, Thiery J, Bis JC, Nadkarni GN, Launer LJ, Li H, Nalls MA, Raitakari OT, Ichihara S, Wild SH, Nelson CP, Campbell H, Jager S, Nabika T, Al-Mulla F, Niinikoski H, Braund PS, Kolcic I, Kovacs P, Giardoglou T, Katsuya T, Bhatti KF, de Kleijn D, de Borst GJ, Kim EK, Adams HHH, Ikram MA, Zhu X, Asselbergs FW, Kraaijeveld AO, Beulens JWJ, Shu XO, Rallidis LS, Pedersen O, Hansen T, Mitchell P, Hewitt AW, Kahonen M, Perusse L, **Bouchard C**, Tonjes A, Chen YI, Pennell CE, Mori TA, Lieb W, Franke A, Ohlsson C, Mellstrom D, Cho YS, Lee H, Yuan JM, Koh WP, Rhee SY, Woo JT, Heid IM, Stark KJ, Volzke H, Homuth G, Evans MK, Zonderman AB, Polasek O, Pasterkamp G, Hofer IE, Redline S, Pahkala K, Oldehinkel AJ, Snieder H, Biino G, Schmidt R, Schmidt H, Chen YE, Bandinelli S, Dedoussis G, Thanaraj TA, Kardina SLR, Kato N, Schulze MB, Girotto G, Jung B, Boger CA, Joshi PK, Bennett DA, De Jager PL, Lu X, Mamakou V, Brown M, Caulfield MJ, Munroe PB, Guo X, Ciullo M, Jonas JB, Samani NJ, Kaprio J, Pajukanta P, Adair LS, Bechayda SA, de Silva HJ, Wickremasinghe AR, Krauss RM, Wu JY, Zheng W, den Hollander AI, Bharadwaj D, Correa A, Wilson JG, Lind L, Heng CK, Nelson AE, Golightly YM, Wilson JF, Penninx B, Kim HL, Attia J, Scott RJ, Rao DC, Arnett DK, Walker M, Koistinen HA, Chandak GR, Yajnik CS, Mercader JM, Tusie-Luna T, Aguilar-Salinas CA, Villalpando CG, Orozco L, Fornage M, Tai ES, van Dam RM, Lehtimäki T, Chaturvedi N, Yokota M, Liu J, Reilly DF, McKnight AJ, Kee F, Jockel KH, McCarthy MI, Palmer CNA, Vitart V, Hayward C, Simonsick E, van Duijn CM, Lu F, Qu J, Hishigaki H, Lin X, Marz W, Parra EJ, Cruz M, Gudnason V, Tardif JC, Lettre G, Hart LM, Elders PJM, Damrauer SM, Kumari M, Kivimäki M, van der Harst P, Spector TD, Loos RJJ, Province MA, Psaty BM, Brandslund I, Pramstaller PP, Christensen K, Ripatti S, Widen E, Hakonarson H, Grant SFA, Kiemeny L, de Graaf J, Loeffler M, Kronenberg F, Gu D, Erdmann J, Schunkert H, Franks PW, Linneberg A, Jukema JW, Khera AV, Mannikko M, Jarvelin MR, Kutalik Z, Cucca F, Mook-Kanamori DO, van Dijk KW, Watkins H, Strachan DP, Grarup N, Sever P, Poulter N, Rotter JI, Dantoft TM, Karpe F, Neville MJ, Timpson NJ, Cheng CY, Wong TY, Khor CC, Sabanayagam C, Peters A, Gieger C, Hattersley AT, Pedersen NL, Magnusson PKE, Boomsma DI, de Geus EJC, Cupples LA, van Meurs JBJ, Ghanbari M, Gordon-Larsen P, Huang W, Kim YJ, Tabara Y, Wareham NJ, Langenberg C, Zeggini E, Kuusisto J, Laakso M, Ingelsson E, Abecasis G, Chambers JC, Kooner JS, de Vries PS, Morrison AC, North KE, Daviglus M, Kraft P, Martin NG, Whitfield JB, Abbas S, Saleheen D, Walters RG, Holmes MV, Black C, Smith BH, Justice AE, Baras A, Buring JE, Ridker PM, Chasman DI, Kooperberg C, Wei WQ, Jarvik GP, Namjou B, Hayes MG, Ritchie MD, Jousilahti P, Salomaa V, Hveem K, Asvold BO, Kubo M, Kamatani Y, Okada Y, Murakami Y, Thorsteinsdottir U, Stefansson K, Ho YL, Lynch JA, Rader DJ, Tsao PS, Chang KM, Cho K, O'Donnell CJ, Gaziano JM, Wilson P, Rotimi CN, Hazelhurst S, Ramsay M, Trembath RC, van Heel DA, Tamiya G, Yamamoto M, Kim BJ, Mohlke KL, Frayling TM, Hirschhorn JN, Kathiresan S, Program VAMV, Global Lipids Genetics C, Boehnke M, Natarajan P, Peloso GM, Brown CD, Morris AP, Assimes TL, Deloukas P, Sun YV, Willer

- CJ. The power of genetic diversity in genome-wide association studies of lipids. Nature. 2021. PMID: 34887591.
- (1235) Graham SE et al, Author Correction: The power of genetic diversity in genome-wide association studies of lipids. Nature. 2023 Jun;618(7965):E19-E20. doi: 10.1038/s41586-023-06194-2. Erratum for: Nature. 2021 Dec;600(7890):675-679. PMID: 37237109; PMCID: PMC10355188.
- (1236) Barber JL, Ruiz-Ramie JJ, Robbins JM, Gerszten RE, Leon AS, Rao DC, Skinner JS, **Bouchard C**, Sarzynski MA. Regular exercise and patterns of response across multiple cardiometabolic traits: The HERITAGE Family Study. Br J Sports Med. 2022;56(2):95-100. PMCID: PMC8380259. PMID: 33619128.
- (1237) Jacob R, Bertrand C, Llewellyn C, Couture C, Labonte ME, Tremblay A, **Bouchard C**, Drapeau V, Perusse L. Dietary mediators of the genetic susceptibility to obesity-results from the Quebec family study. J Nutr. 2022;152(1):49-58. PMID: 34610139.
- (1238) Katz DH, Tahir UA, Bick AG, Pampana A, Ngo D, Benson MD, Yu Z, Robbins JM, Chen ZZ, Cruz DE, Deng S, Farrell L, Sinha S, Schmaier AA, Shen D, Gao Y, Hall ME, Correa A, Tracy RP, Durda P, Taylor KD, Liu Y, Johnson WC, Guo X, Yao J, Ida Chen YD, Manichaikul AW, Jain D, **Bouchard C**, Sarzynski MA, Rich SS, Rotter JI, Wang TJ, Wilson JG, Natarajan P, Gerszten RE, National Heart L, Blood Institute TC. Whole genome sequence analysis of the plasma proteome in black adults provides novel insights into cardiovascular disease. Circulation. 2022;145(5):357-70. PMID: 34814699.
- (1239) Sarzynski MA, Rice TK, Despres JP, Perusse L, Tremblay A, Stanforth PR, Tchernof A, Barber JL, Falciani F, Clish C, Robbins JM, Ghosh S, Gerszten RE, Leon AS, Skinner JS, Rao DC, **Bouchard C**. The HERITAGE Family Study: A review of the effects of exercise training on cardiometabolic health, with insights into molecular transducers. Med Sci Sports Exerc, 54: No 5 Supplement, S1-S43, 2022.
- (1240) Ramdas S, Judd J, Graham SE, Kanoni S, Wang Y, Surakka I, Wenz B, Clarke SL, Chesi A, Wells A, Bhatti KF, Vedantam S, Winkler TW, Locke AE, Marouli E, Zajac GJM, Wu KH, Ntalla I, Hui Q, Klarin D, Hilliard AT, Wang Z, Xue C, Thorleifsson G, Helgadottir A, Gudbjartsson DF, Holm H, Olafsson I, Hwang MY, Han S, Akiyama M, Sakaue S, Terao C, Kanai M, Zhou W, Brumpton BM, Rasheed H, Havulinna AS, Vaturi Y, Pacheco JA, Rosenthal EA, Lingren T, Feng Q, Kullo IJ, Narita A, Takayama J, Martin HC, Hunt KA, Trivedi B, Haessler J, Giulianini F, Bradford Y, Miller JE, Campbell A, Lin K, Millwood IY, Rasheed A, Hindy G, Faul JD, Zhao W, Weir DR, Turman C, Huang H, Graff M, Choudhury A, Sengupta D, Mahajan A, Brown MR, Zhang W, Yu K, Schmidt EM, Pandit A, Gustafsson S, Yin X, Luan J, Zhao JH, Matsuda F, Jang HM, Yoon K, Medina-Gomez C, Pitsillides A, Hottenga JJ, Wood AR, Ji Y, Gao Z, Haworth S, Mitchell RE, Chai JF, Aadahl M, Bjerregaard AA, Yao J, Manichaikul A, Lee WJ, Hsiung CA, Warren HR, Ramirez J, Bork-Jensen J, Kårhus LL, Goel A, Sabater-Lleal M, Noordam R, Mauro P, Matteo F, McDaid AF, Marques-Vidal P, Wielscher M, Trompet S, Sattar N, Møllehave LT, Munz M, Zeng L, Huang J, Yang B, Poveda A, Kurbasic A, Schönherr S,

Forer L, Scholz M, Galesloot TE, Bradfield JP, Ruotsalainen SE, Daw EW, Zmuda JM, Mitchell JS, Fuchsberger C, Christensen H, Brody JA, Le P, Feitosa MF, Wojczynski MK, Hemerich D, Preuss M, Mangino M, Christofidou P, Verweij N, Benjamins JW, Engmann J, Noah TL, Verma A, Sliker RC, Lo KS, Zilhao NR, Kleber ME, Delgado GE, Huo S, Ikeda DD, Iha H, Yang J, Liu J, Demirkan A, Leonard HL, Marten J, Emmel C, Schmidt B, Smyth LJ, Cañadas-Garre M, Wang C, Nakatochi M, Wong A, Hutri-Kähönen N, Sim X, Xia R, Huerta-Chagoya A, Fernandez-Lopez JC, Lyssenko V, Nongmaithem SS, Sankareswaran A, Irvin MR, Oldmeadow C, Kim HN, Ryu S, Timmers PRHJ, Arbeeve L, Dorajoo R, Lange LA, Prasad G, Lorés-Motta L, Pauper M, Long J, Li X, Theusch E, Takeuchi F, Spracklen CN, Loukola A, Bollepalli S, Warner SC, Wang YX, Wei WB, Nutile T, Ruggiero D, Sung YJ, Chen S, Liu F, Yang J, Kentistou KA, Banas B, Morgan A, Meidtner K, Bielak LF, Smith JA, Hebbar P, Farmaki AE, Hofer E, Lin M, Concas MP, Vaccargiu S, van der Most PJ, Pitkänen N, Cade BE, van der Laan SW, Chitrala KN, Weiss S, Bentley AR, Doumatey AP, Adeyemo AA, Lee JY, Petersen ERB, Nielsen AA, Choi HS, Nethander M, Freitag-Wolf S, Southam L, Rayner NW, Wang CA, Lin SY, Wang JS, Couture C, Lyytikäinen LP, Nikus K, Cuellar-Partida G, Vestergaard H, Hidalgo B, Giannakopoulou O, Cai Q, Obura MO, van Setten J, He KY, Tang H, Terzikhan N, Shin JH, Jackson RD, Reiner AP, Martin LW, Chen Z, Li L, Kawaguchi T, Thiery J, Bis JC, Launer LJ, Li H, Nalls MA, Raitakari OT, Ichihara S, Wild SH, Nelson CP, Campbell H, Jäger S, Nabika T, Al-Mulla F, Niinikoski H, Braund PS, Kolcic I, Kovacs P, Giardoglou T, Katsuya T, de Kleijn D, de Borst GJ, Kim EK, Adams HHH, Ikram MA, Zhu X, Asselbergs FW, Kraaijeveld AO, Beulens JWJ, Shu XO, Rallidis LS, Pedersen O, Hansen T, Mitchell P, Hewitt AW, Kähönen M, Pérusse L, **Bouchard C**, Tönjes A, Ida Chen YD, Pennell CE, Mori TA, Lieb W, Franke A, Ohlsson C, Mellström D, Cho YS, Lee H, Yuan JM, Koh WP, Rhee SY, Woo JT, Heid IM, Stark KJ, Zimmermann ME, Völzke H, Homuth G, Evans MK, Zonderman AB, Polasek O, Pasterkamp G, Hofer IE, Redline S, Pakkala K, Oldehinkel AJ, Snieder H, Biino G, Schmidt R, Schmidt H, Bandinelli S, Dedoussis G, Thanaraj TA, Peyser PA, Kato N, Schulze MB, Girotto G, Böger CA, Jung B, Joshi PK, Bennett DA, De Jager PL, Lu X, Mamakou V, Brown M, Caulfield MJ, Munroe PB, Guo X, Ciullo M, Jonas JB, Samani NJ, Kaprio J, Pajukanta P, Tusié-Luna T, Aguilar-Salinas CA, Adair LS, Bechayda SA, de Silva HJ, Wickremasinghe AR, Krauss RM, Wu JY, Zheng W, den Hollander AI, Bharadwaj D, Correa A, Wilson JG, Lind L, Heng CK, Nelson AE, Golightly YM, Wilson JF, Penninx B, Kim HL, Attia J, Scott RJ, Rao DC, Arnett DK, Walker M, Scott LJ, Koistinen HA, Chandak GR, Mercader JM, Villalpando CG, Orozco L, Fornage M, Tai ES, van Dam RM, Lehtimäki T, Chaturvedi N, Yokota M, Liu J, Reilly DF, McKnight AJ, Kee F, Jöckel KH, McCarthy MI, Palmer CNA, Vitart V, Hayward C, Simonsick E, van Duijn CM, Jin ZB, Lu F, Hishigaki H, Lin X, März W, Gudnason V, Tardif JC, Lettre G, T Hart LM, Elders PJM, Rader DJ, Damrauer SM, Kumari M, Kivimäki M, van der Harst P, Spector TD, Loos RJF, Province MA, Parra EJ, Cruz M, Psaty BM, Brandslund I, Pramstaller PP, Rotimi CN, Christensen K, Ripatti S, Widén E, Hakonarson H, Grant SFA, Kiemeny L, de Graaf J, Loeffler M, Kronenberg F, Gu D, Erdmann J, Schunkert H, Franks PW, Linneberg A, Jukema JW, Khera AV, Männikkö M, Jarvelin MR, Kutalik Z, Francesco C, Mook-Kanamori DO, Willems van Dijk K, Watkins H, Strachan DP, Grarup N, Sever P, Poulter N, Huey-Herng Sheu W, Rotter JI, Dantoft TM, Karpe F, Neville MJ, Timpson NJ, Cheng CY, Wong TY, Khor CC, Li H, Sabanayagam C, Peters A, Gieger C,



- Hattersley AT, Pedersen NL, Magnusson PKE, Boomsma DI, de Geus EJC, Cupples LA, van Meurs JBJ, Ikram A, Ghanbari M, Gordon-Larsen P, Huang W, Kim YJ, Tabara Y, Wareham NJ, Langenberg C, Zeggini E, Tuomilehto J, Kuusisto J, Laakso M, Ingelsson E, Abecasis G, Chambers JC, Kooner JS, de Vries PS, Morrison AC, Hazelhurst S, Ramsay M, North KE, Daviglus M, Kraft P, Martin NG, Whitfield JB, Abbas S, Saleheen D, Walters RG, Holmes MV, Black C, Smith BH, Baras A, Justice AE, Buring JE, Ridker PM, Chasman DI, Kooperberg C, Tamiya G, Yamamoto M, van Heel DA, Trembath RC, Wei WQ, Jarvik GP, Namjou B, Hayes MG, Ritchie MD, Jousilahti P, Salomaa V, Hveem K, Åsvold BO, Kubo M, Kamatani Y, Okada Y, Murakami Y, Kim BJ, Thorsteinsdottir U, Stefansson K, Zhang J, Chen YE, Ho YL, Lynch JA, Tsao PS, Chang KM, Cho K, O'Donnell CJ, Gaziano JM, Wilson P, Mohlke KL, Frayling TM, Hirschhorn JN, Kathiresan S, Boehnke M; Million Veterans Program; Global Lipids Genetics Consortium, Struan Grant, Natarajan P, Sun YV, Morris AP, Deloukas P, Peloso G, Assimes TL, Willer CJ, Zhu X, Brown CD. A multi-layer functional genomic analysis to understand noncoding genetic variation in lipids. *Am J Hum Genet.* 2022 Aug 4;109(8):1366-1387. doi: 10.1016/j.ajhg.2022.06.012. PMID: 35931049; PMCID: PMC9388392.
- (1241) Wang Z, Emmerich A, Pilon NJ, Moore T, Hemerich D, Cornelis MC, Mazzaferro E, Broos S, Ahluwalia TS, Bartz TM, Bentley AR, Bielak LF, Chong M, Chu AY, Berry D, Dorajoo R, Dueker ND, Kasbohm E, Feenstra B, Feitosa MF, Gieger C, Graff M, Hall LM, Haller T, Hartwig FP, Hillis DA, Huikari V, Heard-Costa N, Holzapfel C, Jackson AU, Johansson Å, Jørgensen AM, Kaakinen MA, Karlsson R, Kerr KF, Kim B, Koolhaas CM, Kutalik Z, Lagou V, Lind PA, Lorentzon M, Lyytikäinen LP, Mangino M, Metzendorf C, Monroe KR, Pacolet A, Pérusse L, Pool R, Richmond RC, Rivera NV, Robiou-du-Pont S, Schraut KE, Schulz CA, Stringham HM, Tanaka T, Teumer A, Turman C, van der Most PJ, Vanmunster M, van Rooij FJA, van Vliet-Ostaptchouk JV, Zhang X, Zhao JH, Zhao W, Balkhiyarova Z, Balslev-Harder MN, Baumeister SE, Beilby J, Blangero J, Boomsma DI, Brage S, Braund PS, Brody JA, Bruinenberg M, Ekelund U, Liu CT, Cole JW, Collins FS, Cupples LA, Esko T, Enroth S, Faul JD, Fernandez-Rhodes L, Fohner AE, Franco OH, Galesloot TE, Gordon SD, Grarup N, Hartman CA, Heiss G, Hui J, Illig T, Jago R, James A, Joshi PK, Jung T, Kähönen M, Kilpeläinen TO, Koh WP, Kolcic I, Kraft PP, Kuusisto J, Launer LJ, Li A, Linneberg A, Luan J, Vidal PM, Medland SE, Milaneschi Y, Moscati A, Musk B, Nelson CP, Nolte IM, Pedersen NL, Peters A, Peyser PA, Power C, Raitakari OT, Reedik M, Reiner AP, Ridker PM, Rudan I, Ryan K, Sarzynski MA, Scott LJ, Scott RA, Sidney S, Siggeirsdottir K, Smith AV, Smith JA, Sonestedt E, Strøm M, Tai ES, Teo KK, Thorand B, Tönjes A, Tremblay A, Uitterlinden AG, Vangipurapu J, van Schoor N, Völker U, Willemsen G, Williams K, Wong Q, Xu H, Young KL, Yuan JM, Zillikens MC, Zonderman AB, Ameer A, Bandinelli S, Bis JC, Boehnke M, **Bouchard C**, Chasman DI, Smith GD, de Geus EJC, Deldicque L, Dörr M, Evans MK, Ferrucci L, Fornage M, Fox C, Garland T Jr, Gudnason V, Gyllenstein U, Hansen T, Hayward C, Horta BL, Hyppönen E, Jarvelin MR, Johnson WC, Kardina SLR, Kiemeny LA, Laakso M, Langenberg C, Lehtimäki T, Marchand LL; Lifelines Cohort Study, Magnusson PKE, Martin NG, Melbye M, Metspalu A, Meyre D, North KE, Ohlsson C, Oldehinkel AJ, Orho-Melander M, Pare G, Park T, Pedersen O, Penninx BWJH, Pers TH, Polasek O, Prokopenko I, Rotimi CN, Samani NJ, Sim X, Snieder H,

- Sørensen TIA, Spector TD, Timpson NJ, van Dam RM, van der Velde N, van Duijn CM, Vollenweider P, Völzke H, Voortman T, Waeber G, Wareham NJ, Weir DR, Wichmann HE, Wilson JF, Hevener AL, Krook A, Zierath JR, Thomis MAI, Loos RJF, Hoed MD. Genome-wide association analyses of physical activity and sedentary behavior provide insights into underlying mechanisms and roles in disease prevention. *Nat Genet.* 2022 Sep;54(9):1332-1344. doi: 10.1038/s41588-022-01165-1. Epub 2022 Sep 7. PMID: 36071172; PMCID: PMC9470530.
- (1242) Ferri Marini C, Sisti D, Skinner JS, Sarzynski MA, **Bouchard C**, Amatori S, Rocchi MBL, Piccoli G, Stocchi V, Federici A, Lucertini F. Effect of individual characteristics and aerobic training on the %HRR-% $\dot{V}O_2R$  relationship. *Eur J Sport Sci.* 2022 Oct 16:1-12. doi: 10.1080/17461391.2022.2113441. PMID: 35960537.
- (1243) Katz DH, Robbins JM, Deng S, Tahir UA, Bick AG, Pampana A, Yu Z, Ngo D, Benson MD, Chen ZZ, Cruz DE, Shen D, Gao Y, **Bouchard C**, Sarzynski MA, Correa A, Natarajan P, Wilson JG, Gerszten RE. Proteomic profiling platforms head to head: Leveraging genetics and clinical traits to compare aptamer- and antibody-based methods. *Sci Adv.* 2022 Aug 19;8(33):eabm5164. doi: 10.1126/sciadv.abm5164. Epub 2022 Aug 19. PMID: 35984888; PMCID: PMC9390994.
- (1244) Tahir UA, Katz DH, Avila-Pachecho J, Bick AG, Pampana A, Robbins JM, Yu Z, Chen ZZ, Benson MD, Cruz DE, Ngo D, Deng S, Shi X, Zheng S, Eisman AS, Farrell L, Hall ME, Correa A, Tracy RP, Durda P, Taylor KD, Liu Y, Johnson WC, Guo X, Yao J, Chen YI, Manichaikul AW, Ruberg FL, Blanner WS, Jain D; NHLBI Trans-Omics for Precision Medicine 1 Consortium, **Bouchard C**, Sarzynski MA, Rich SS, Rotter JI, Wang TJ, Wilson JG, Clish CB, Natarajan P, Gerszten RE. Whole Genome Association Study of the Plasma Metabolome Identifies Metabolites Linked to Cardiometabolic Disease in Black Individuals. *Nat Commun.* 2022 Aug 22;13(1):4923. doi: 10.1038/s41467-022-32275-3. PMID: 35995766; PMCID: PMC9395431.
- (1245) Yengo L, Vedantam S, Marouli E, Sidorenko J, Bartell E, Sakaue S, Graff M, Eliassen AU, Jiang Y, Raghavan S, Miao J, Arias JD, Graham SE, Mukamel RE, Spracklen CN, Yin X, Chen SH, Ferreira T, Highland HH, Ji Y, Karaderi T, Lin K, Lüll K, Malden DE, Medina-Gomez C, Machado M, Moore A, Rüeger S, Sim X, Vrieze S, Ahluwalia TS, Akiyama M, Allison MA, Alvarez M, Andersen MK, Ani A, Appadurai V, Arbeeve L, Bhaskar S, Bielak LF, Bollepalli S, Bonnycastle LL, Bork-Jensen J, Bradfield JP, Bradford Y, Braund PS, Brody JA, Burgdorf KS, Cade BE, Cai H, Cai Q, Campbell A, Cañadas-Garre M, Catamo E, Chai JF, Chai X, Chang LC, Chang YC, Chen CH, Chesi A, Choi SH, Chung RH, Cocca M, Concas MP, Couture C, Cuellar-Partida G, Danning R, Daw EW, Degenhard F, Delgado GE, Delitala A, Demirkan A, Deng X, Devineni P, Dietl A, Dimitriou M, Dimitrov L, Dorajoo R, Ekici AB, Engmann JE, Fairhurst-Hunter Z, Farmaki AE, Faul JD, Fernandez-Lopez JC, Forer L, Francescatti M, Freitag-Wolf S, Fuchsberger C, Galesloot TE, Gao Y, Gao Z, Geller F, Giannakopoulou O, Giulianini F, Gjessing AP, Goel A, Gordon SD, Gorski M, Grove J, Guo X, Gustafsson S, Haessler J, Hansen TF, Havulinna AS, Haworth SJ, He J, Heard-Costa N, Hebbard P, Hindy G, Ho YA, Hofer E, Holliday E, Horn K, Hornsby WE, Hottenga JJ, Huang H, Huang J, Huerta-

Chagoya A, Huffman JE, Hung YJ, Huo S, Hwang MY, Iha H, Ikeda DD, Isono M, Jackson AU, Jäger S, Jansen IE, Johansson I, Jonas JB, Jonsson A, Jørgensen T, Kalafati IP, Kanai M, Kanoni S, Kårhus LL, Kasturiratne A, Katsuya T, Kawaguchi T, Kember RL, Kentistou KA, Kim HN, Kim YJ, Kleber ME, Knol MJ, Kurbasic A, Lauzon M, Le P, Lea R, Lee JY, Leonard HL, Li SA, Li X, Li X, Liang J, Lin H, Lin SY, Liu J, Liu X, Lo KS, Long J, Lores-Motta L, Luan J, Lyssenko V, Lyytikäinen LP, Mahajan A, Mamakou V, Mangino M, Manichaikul A, Marten J, Mattheisen M, Mavarani L, McDaid AF, Meidtner K, Melendez TL, Mercader JM, Milanese Y, Miller JE, Millwood IY, Mishra PP, Mitchell RE, Møllehave LT, Morgan A, Mucha S, Munz M, Nakatochi M, Nelson CP, Nethander M, Nho CW, Nielsen AA, Nolte IM, Nongmaithem SS, Noordam R, Ntalla I, Nutile T, Pandit A, Christofidou P, Pärna K, Pauper M, Petersen ERB, Petersen LV, Pitkänen N, Polašek O, Poveda A, Preuss MH, Pyarajan S, Raffield LM, Rakugi H, Ramirez J, Rasheed A, Raven D, Rayner NW, Riveros C, Rohde R, Ruggiero D, Ruotsalainen SE, Ryan KA, Sabater-Lleal M, Saxena R, Scholz M, Sendamarai A, Shen B, Shi J, Shin JH, Sidore C, Sitlani CM, Sliker RC, Smit RAJ, Smith AV, Smith JA, Smyth LJ, Southam L, Steinthorsdottir V, Sun L, Takeuchi F, Tallapragada DSP, Taylor KD, Tayo BO, Tcheandjieu C, Terzikhan N, Tesolin P, Teumer A, Theusch E, Thompson DJ, Thorleifsson G, Timmers PRHJ, Trompet S, Turman C, Vaccargiu S, van der Laan SW, van der Most PJ, van Klinken JB, van Setten J, Verma SS, Verweij N, Vetruri Y, Wang CA, Wang C, Wang L, Wang Z, Warren HR, Bin Wei W, Wickremasinghe AR, Wielscher M, Wiggins KL, Winsvold BS, Wong A, Wu Y, Wuttke M, Xia R, Xie T, Yamamoto K, Yang J, Yao J, Young H, Yousri NA, Yu L, Zeng L, Zhang W, Zhang X, Zhao JH, Zhao W, Zhou W, Zimmermann ME, Zoledziwska M, Adair LS, Adams HHH, Aguilar-Salinas CA, Al-Mulla F, Arnett DK, Asselbergs FW, Åsvold BO, Attia J, Banas B, Bandinelli S, Bennett DA, Bergler T, Bharadwaj D, Biino G, Bisgaard H, Boerwinkle E, Böger CA, Bønnelykke K, Boomsma DI, Børghlum AD, Borja JB, **Bouchard C**, Bowden DW, Brandslund I, Brumpton B, Buring JE, Caulfield MJ, Chambers JC, Chandak GR, Chanock SJ, Chaturvedi N, Chen YI, Chen Z, Cheng CY, Christophersen IE, Ciullo M, Cole JW, Collins FS, Cooper RS, Cruz M, Cucca F, Cupples LA, Cutler MJ, Damrauer SM, Dantoft TM, de Borst GJ, de Groot LCPGM, De Jager PL, de Kleijn DPV, Janaka de Silva H, Dedoussis GV, den Hollander AI, Du S, Easton DF, Elders PJM, Eliassen AH, Ellinor PT, Elmståhl S, Erdmann J, Evans MK, Fatkin D, Feenstra B, Feitosa MF, Ferrucci L, Ford I, Fornage M, Franke A, Franks PW, Freedman BI, Gasparini P, Gieger C, Girotto G, Goddard ME, Golightly YM, Gonzalez-Villalpando C, Gordon-Larsen P, Grallert H, Grant SFA, Grarup N, Griffiths L, Gudnason V, Haiman C, Hakonarson H, Hansen T, Hartman CA, Hattersley AT, Hayward C, Heckbert SR, Heng CK, Hengstenberg C, Hewitt AW, Hishigaki H, Hoyng CB, Huang PL, Huang W, Hunt SC, Hveem K, Hyppönen E, Iacono WG, Ichihara S, Ikram MA, Isasi CR, Jackson RD, Jarvelin MR, Jin ZB, Jöckel KH, Joshi PK, Jousilahti P, Jukema JW, Kähönen M, Kamatani Y, Kang KD, Kaprio J, Kardina SLR, Karpe F, Kato N, Kee F, Kessler T, Khera AV, Khor CC, Kiemeny LALM, Kim BJ, Kim EK, Kim HL, Kirchhof P, Kivimäki M, Koh WP, Koistinen HA, Kolovou GD, Kooner JS, Kooperberg C, Köttgen A, Kovacs P, Kraaijeveld A, Kraft P, Krauss RM, Kumari M, Kutalik Z, Laakso M, Lange LA, Langenberg C, Launer LJ, Le Marchand L, Lee H, Lee NR, Lehtimäki T, Li H, Li L, Lieb W, Lin X, Lind L, Linneberg A, Liu CT, Liu J, Loeffler M, London B, Lubitz SA, Lye SJ, Mackey DA, Mägi R, Magnusson PKE, Marcus GM, Vidal PM, Martin NG, März W,

- Matsuda F, McGarrah RW, McGue M, McKnight AJ, Medland SE, Mellström D, Metspalu A, Mitchell BD, Mitchell P, Mook-Kanamori DO, Morris AD, Mucci LA, Munroe PB, Nalls MA, Nazarian S, Nelson AE, Neville MJ, Newton-Cheh C, Nielsen CS, Nöthen MM, Ohlsson C, Oldehinkel AJ, Orozco L, Pahkala K, Pajukanta P, Palmer CNA, Parra EJ, Pattaro C, Pedersen O, Pennell CE, Penninx BWJH, Perusse L, Peters A, Peyser PA, Porteous DJ, Posthuma D, Power C, Pramstaller PP, Province MA, Qi Q, Qu J, Rader DJ, Raitakari OT, Ralhan S, Rallidis LS, Rao DC, Redline S, Reilly DF, Reiner AP, Rhee SY, Ridker PM, Rienstra M, Ripatti S, Ritchie MD, Roden DM, Rosendaal FR, Rotter JI, Rudan I, Rutters F, Sabanayagam C, Saleheen D, Salomaa V, Samani NJ, Sanghera DK, Sattar N, Schmidt B, Schmidt H, Schmidt R, Schulze MB, Schunkert H, Scott LJ, Scott RJ, Sever P, Shiroma EJ, Shoemaker MB, Shu XO, Simonsick EM, Sims M, Singh JR, Singleton AB, Sinner MF, Smith JG, Snieder H, Spector TD, Stampfer MJ, Stark KJ, Strachan DP, 't Hart LM, Tabara Y, Tang H, Tardif JC, Thanaraj TA, Timpson NJ, Tönjes A, Tremblay A, Tuomi T, Tuomilehto J, Tusié-Luna MT, Uitterlinden AG, van Dam RM, van der Harst P, Van der Velde N, van Duijn CM, van Schoor NM, Vitart V, Völker U, Vollenweider P, Völzke H, Wachter-Rodarte NH, Walker M, Wang YX, Wareham NJ, Watanabe RM, Watkins H, Weir DR, Werge TM, Widen E, Wilkens LR, Willemsen G, Willett WC, Wilson JF, Wong TY, Woo JT, Wright AF, Wu JY, Xu H, Yajnik CS, Yokota M, Yuan JM, Zeggini E, Zemel BS, Zheng W, Zhu X, Zmuda JM, Zonderman AB, Zwart JA; 23andMe Research Team; VA Million Veteran Program; DiscovEHR (DiscovEHR and MyCode Community Health Initiative); eMERGE (Electronic Medical Records and Genomics Network); Lifelines Cohort Study; PRACTICAL Consortium; Understanding Society Scientific Group, Chasman DI, Cho YS, Heid IM, McCarthy MI, Ng MCY, O'Donnell CJ, Rivadeneira F, Thorsteinsdottir U, Sun YV, Tai ES, Boehnke M, Deloukas P, Justice AE, Lindgren CM, Loos RJF, Mohlke KL, North KE, Stefansson K, Walters RG, Winkler TW, Young KL, Loh PR, Yang J, Esko T, Assimes TL, Auton A, Abecasis GR, Willer CJ, Locke AE, Berndt SI, Lettre G, Frayling TM, Okada Y, Wood AR, Visscher PM, Hirschhorn JN. A saturated map of common genetic variants associated with human height. *Nature*. 2022 Oct;610(7933):704-712. doi: 10.1038/s41586-022-05275-y. Epub 2022 Oct 12. PMID: 36224396; PMCID: PMC9605867.
- (1246) Cronjé HT, Mi MY, Austin TR, Biggs ML, Siscovick DS, Lemaitre RN, Psaty BM, Tracy RP, Djoussé L, Kizer JR, Ix JH, Rao P, Robbins JM, Barber JL, Sarzynski MA, Clish CB, Bouchard C, Mukamal KJ, Gerszten RE, Jensen MK. Plasma proteomic risk markers of incident type 2 diabetes reflect physiologically distinct components of glucose-insulin homeostasis. *Diabetes*. 2023 Feb 7;db220628. doi: 10.2337/db22-0628. PMID: 36749929.
- (1247) Bouchard C & Wackerhage H. Genetics and exercise: an introduction. In Sharples AP, Morton JP & Wackerhage H, editors, *Molecular exercise physiology*, 2<sup>nd</sup> edition, Routledge, New York, 2022, 61-88 pp.
- (1248) Benson MD, Eisman AS, Tahir UA, Katz DH, Deng S, Ngo D, Robbins JM, Hofmann A, Shi X, Zheng S, Keyes M, Yu Z, Gao Y, Farrell L, Shen D, Chen ZZ, Cruz DE, Sims M, Correa A, Tracy RP, Durda P, Taylor KD, Liu Y, Johnson WC, Guo X, Yao J, Chen YI,

- Manichaikul AW, Jain D, Yang Q; NHLBI Trans-Omics for Precision Medicine (TOPMed) Consortium; **Bouchard C**, Sarzynski MA, Rich SS, Rotter JI, Wang TJ, Wilson JG, Clish CB, Sarkar IN, Natarajan P, Gerszten RE. Protein-metabolite association studies identify novel proteomic determinants of metabolite levels in human plasma. *Cell Metab.* 2023 Sep 5;35(9):1646-1660.e3. doi: 10.1016/j.cmet.2023.07.012. Epub 2023 Aug 14. PMID: 37582364.
- (1249) de Las Fuentes L, Schwander KL, Brown MR, Bentley AR, Winkler TW, Sung YJ, Munroe PB, Miller CL, Aschard H, Aslibekyan S, Bartz TM, Bielak LF, Chai JF, Cheng CY, Dorajoo R, Feitosa MF, Guo X, Hartwig FP, Horimoto A, Kolčič I, Lim E, Liu Y, Manning AK, Marten J, Musani SK, Noordam R, Padmanabhan S, Rankinen T, Richard MA, Ridker PM, Smith AV, Vojinovic D, Zonderman AB, Alver M, Boissel M, Christensen K, Freedman BI, Gao C, Giulianini F, Harris SE, He M, Hsu FC, Kühnel B, Laguzzi F, Li X, Lyytikäinen LP, Nolte IM, Poveda A, Rauramaa R, Riaz M, Robino A, Sofer T, Takeuchi F, Tayo BO, van der Most PJ, Verweij N, Ware EB, Weiss S, Wen W, Yanek LR, Zhan Y, Amin N, Arking DE, Ballantyne C, Boerwinkle E, Brody JA, Broeckel U, Campbell A, Canouil M, Chai X, Chen YI, Chen X, Chitrala KN, Concas MP, de Faire U, de Mutsert R, de Silva HJ, de Vries PS, Do A, Faul JD, Fisher V, Floyd JS, Forrester T, Friedlander Y, Girotto G, Gu CC, Hallmans G, Heikkinen S, Heng CK, Homuth G, Hunt S, Ikram MA, Jacobs DR Jr, Kavousi M, Khor CC, Kilpeläinen TO, Koh WP, Komulainen P, Langefeld CD, Liang J, Liu K, Liu J, Lohman K, Mägi R, Manichaikul AW, McKenzie CA, Meitinger T, Milaneschi Y, Nauck M, Nelson CP, O'Connell JR, Palmer ND, Pereira AC, Perls T, Peters A, Polašek O, Raitakari OT, Rice K, Rice TK, Rich SS, Sabanayagam C, Schreiner PJ, Shu XO, Sidney S, Sims M, Smith JA, Starr JM, Strauch K, Tai ES, Taylor KD, Tsai MY, Uitterlinden AG, van Heemst D, Waldenberger M, Wang YX, Wei WB, Wilson G, Xuan D, Yao J, Yu C, Yuan JM, Zhao W, Becker DM, Bonnefond A, Bowden DW, Cooper RS, Deary IJ, Divers J, Esko T, Franks PW, Froguel P, Gieger C, Jonas JB, Kato N, Lakka TA, Leander K, Lehtimäki T, Magnusson PKE, North KE, Ntalla I, Penninx B, Samani NJ, Snieder H, Spedicati B, van der Harst P, Völzke H, Wagenknecht LE, Weir DR, Wojczynski MK, Wu T, Zheng W, Zhu X, **Bouchard C**, Chasman DI, Evans MK, Fox ER, Gudnason V, Hayward C, Horta BL, Kardia SLR, Krieger JE, Mook-Kanamori DO, Peyser PA, Province MM, Psaty BM, Rudan I, Sim X, Smith BH, van Dam RM, van Duijn CM, Wong TY, Arnett DK, Rao DC, Gauderman J, Liu CT, Morrison AC, Rotter JI, Fornage M. Gene-educational attainment interactions in a multi-population genome-wide meta-analysis identify novel lipid loci. *Front Genet.* 2023 Nov 2;14:1235337. doi: 10.3389/fgene.2023.1235337. PMID: 38028628; PMCID: PMC10651736.
- (1250) Robbins JM, Rao P, Deng S, Keyes MJ, Tahir UA, Katz DH, Beltran PMJ, Marchildon F, Barber JL, Peterson B, Gao Y, Correa A, Wilson JG, Smith JG, Cohen P, Ross R, Bouchard C, Sarzynski MA, Gerszten RE. Plasma proteomic changes in response to exercise training are associated with cardiorespiratory fitness adaptations. *JCI Insight.* 2023 Apr 10;8(7):e165867. doi: 10.1172/jci.insight.165867. PMID: 37036009; PMCID: PMC10132160.

- (1251) Mi MY, Barber JL, Rao P, Farrell LA, Sarzynski MA, Bouchard C, Robbins JM, Gerszten RE. Plasma Proteomic Kinetics in Response to Acute Exercise. *Mol Cell Proteomics*. 2023 Aug;22(8):100601. doi: 10.1016/j.mcpro.2023.100601. Epub 2023 Jun 19. PMID: 37343698; PMCID: PMC10460691.
- (1252) van de Vegte YJ, Eppinga RN, van der Ende MY, Hagemeijer YP, Mahendran Y, Salfati E, Smith AV, Tan VY, Arking DE, Ntalla I, Appel EV, Schurmann C, Brody JA, Rueedi R, Polasek O, Sveinbjornsson G, Lecoeur C, Ladenvall C, Zhao JH, Isaacs A, Wang L, Luan J, Hwang SJ, Mononen N, Auro K, Jackson AU, Bielak LF, Zeng L, Shah N, Nethander M, Campbell A, Rankinen T, Pechlivanis S, Qi L, Zhao W, Rizzi F, Tanaka T, Robino A, Cocca M, Lange L, Müller-Nurasyid M, Roselli C, Zhang W, Kleber ME, Guo X, Lin HJ, Pavani F, Galesloot TE, Noordam R, Milaneschi Y, Schraut KE, den Hoed M, Degenhardt F, Trompet S, van den Berg ME, Pistis G, Tham YC, Weiss S, Sim XS, Li HL, van der Most PJ, Nolte IM, Lyytikäinen LP, Said MA, Witte DR, Iribarren C, Launer L, Ring SM, de Vries PS, Sever P, Linneberg A, Bottinger EP, Padmanabhan S, Psaty BM, Sotoodehnia N, Kolcic I; DCCT/EDIC Research Group; Arnar DO, Gudbjartsson DF, Holm H, Balkau B, Silva CT, Newton-Cheh CH, Nikus K, Salo P, Mohlke KL, Peyser PA, Schunkert H, Lorentzon M, Lahti J, Rao DC, Cornelis MC, Faul JD, Smith JA, Stolarz-Skrzypek K, Bandinelli S, Concas MP, Sinagra G, Meitinger T, Waldenberger M, Sinner MF, Strauch K, Delgado GE, Taylor KD, Yao J, Foco L, Melander O, de Graaf J, de Mutsert R, de Geus EJC, Johansson Å, Joshi PK, Lind L, Franke A, Macfarlane PW, Tarasov KV, Tan N, Felix SB, Tai ES, Quek DQ, Snieder H, Ormel J, Ingelsson M, Lindgren C, Morris AP, Raitakari OT, Hansen T, Assimes T, Gudnason V, Timpson NJ, Morrison AC, Munroe PB, Strachan DP, Grarup N, Loos RJF, Heckbert SR, Vollenweider P, Hayward C, Stefansson K, Froguel P, Groop L, Wareham NJ, van Duijn CM, Feitosa MF, O'Donnell CJ, Kähönen M, Perola M, Boehnke M, Kardia SLR, Erdmann J, Palmer CNA, Ohlsson C, Porteous DJ, Eriksson JG, **Bouchard C**, Moebus S, Kraft P, Weir DR, Cusi D, Ferrucci L, Ulivi S, Girotto G, Correa A, Kääb S, Peters A, Chambers JC, Kooner JS, März W, Rotter JI, Hicks AA, Smith JG, Kiemeny LALM, Mook-Kanamori DO, Penninx BWJH, Gyllenstein U, Wilson JF, Burgess S, Sundström J, Lieb W, Jukema JW, Eijgelsheim M, Lakatta ELM, Cheng CY, Dörr M, Wong TY, Sabanayagam C, Oldehinkel AJ, Riese H, Lehtimäki T, Verweij N, van der Harst P. Genetic insights into resting heart rate and its role in cardiovascular disease. *Nat Commun*. 2023 Aug 2;14(1):4646. doi: 10.1038/s41467-023-39521-2. PMID: 37532724; PMCID: PMC10397318.
- (1253) Gagnon E, Girard A, Gobeil É, Bourgault J, Couture C, Mitchell PL, Bouchard C, Tremblay A, Mathieu P, Michaud A, Pérusse L, Arsenault BJ. Genetic control of body weight by the human brain proteome. *iScience*. 2023 Mar 11;26(4):106376. doi: 10.1016/j.isci.2023.106376. PMID: 37013190; PMCID: PMC10066529.
- (1254) Silbernagel G, Chen YQ, Rief M, Kleber ME, Hoffmann MM, Stojakovic T, Stang A, Sarzynski MA, Bouchard C, März W, Qian YW, Scharnagl H, Konrad RJ. Inverse association between apolipoprotein C-II and cardiovascular mortality: role of lipoprotein lipase activity modulation. *Eur Heart J*. 2023 Jul 1;44(25):2335-2345. doi: 10.1093/eurheartj/ehad261. PMID: 37155355.

- (1255) Hota M, Barber JL, Ruiz-Ramie JJ, Schwartz CS, Lam DTUH, Rao P, Mi MY, Katz DH, Robbins JM, Clish CB, Gerszten RE, Sarzynski MA, Ghosh S, Bouchard C. Omics-driven investigation of the biology underlying intrinsic submaximal working capacity and its trainability. *Physiol Genomics*. 2023 Nov 1;55(11):517-543. doi: 10.1152/physiolgenomics.00163.2022. Epub 2023 Sep 4. PMID: 37661925.
- (1256) Katzmarzyk PT, Bouchard C. In Memoriam: Roy J. Shephard, MD, PhD, DPE (1929-2023). *Am J Human Biology*, 2023;e2359. <https://doi.org/10.1002/ajhb.23959>. PMID: 37431572.
- (1257) Hoffmann WG, Chen YQ, Schwartz CS, Barber JL, Dev PK, Reasons RJ, Miranda Maravi JS, Armstrong B, Gerszten RE, Silbernagel G, Konrad RJ, Bouchard C, Sarzynski MA. Effects of exercise training on ANGPTL3/8 and ANGPTL4/8 and their associations with cardiometabolic traits. *J Lipid Res*. 2024 Feb;65(2):100495. doi: 10.1016/j.jlr.2023.100495. Epub 2023 Dec 29. PMID: 38160757; PMCID: PMC10832466.
- (1258) Bray GA, Bouchard C, Katzmarzyk, Kirwan JP, Redman LM, Schauer PR, Editors, *Handbook of Obesity – Volume 1, Epidemiology, Etiology and Physiopathology*. 4<sup>th</sup> edition, pp 637, CRC Press, 2024.
- (1259) Bray GA, Bouchard C, Katzmarzyk, Kirwan JP, Redman LM, Schauer PR, Editors, *Handbook of Obesity – Volume 2, Clinical Applications*. 5<sup>th</sup> edition, pp 518, CRC Press, 2024.
- (1260) Bouchard C, Bray GA, Human experimental overfeeding. In: Bray GA, Bouchard C, Katzmarzyk, Kirwan JP, Redman LM, Schauer PR, Editors, *Handbook of Obesity – Volume 1, Epidemiology, Etiology and Physiopathology*. 4<sup>th</sup> edition, pp 86-94, CRC Press, 2024.
- (1261) Miranda Maravi JS, Leszczynski EC, Schwartz CS, Dev PK, Barber JL, Reasons RJ, Pearce RW, McPhaul MJ, Konrad RJ, Robbins JM, Gerszten RE, Collier TS, Bouchard C, Rohatgi A, Sarzynski MA. Associations of an HDL apolipoproteomic index with cardiometabolic risk factors before and after exercise training in the HERITAGE Family Study. *Atherosclerosis*. 2024 May 17;395:117587. doi: 10.1016/j.atherosclerosis.2024.117587. PMID: 38823353.
- (1262) Perry AS, Farber-Eger E, Gonzales T, Tanaka T, Robbins JM, Murthy VL, Stolze LK, Zhao S, Huang S, Colangelo LA, Deng S, Hou L, Lloyd-Jones DM, Walker KA, Ferrucci L, Watts EL, Barber JL, Rao P, Mi MY, Gabriel KP, Hornikel B, Sidney S, Houston N, Lewis GD, Liu GY, Thyagarajan B, Khan SS, Choi B, Washko G, Kalhan R, Wareham N, Bouchard C, Sarzynski MA, Gerszten RE, Brage S, Wells QS, Naylor M, Shah RV. Proteomic analysis of cardiorespiratory fitness for prediction of mortality and multisystem disease risks. *Nat Med*. 2024 Jun 4. doi: 10.1038/s41591-024-03039-x. PMID: 38834850.

- (1263) Rao P, Keyes MJ, Mi MY, Barber JL, Tahir UA, Deng S, Clish CB, Shen D, Farrell LA, Wilson JG, Gao Y, Yimer WK, Ekunwe L, Hall ME, Muntner PM, Guo X, Taylor KD, Tracy RP, Rich SS, Rotter JJ, Xanthakis V, Vasan RS, Bouchard C, Sarzynski MA, Gerszten RE, Robbins JM. Plasma Proteomics of Exercise Blood Pressure and Incident Hypertension. *JAMA Cardiol.* 2024 Aug 1;9(8):713-722. doi: 10.1001/jamacardio.2024.1397. Erratum in: *JAMA Cardiol.* 2024 Aug 1;9(8):760. doi: 10.1001/jamacardio.2024.2323. PMID: 38865108; PMCID: PMC11170454.
- (1264) Ghosh S, Bouchard C. Considerations on efforts needed to improve our understanding of the genetics of obesity. *Int J Obes (Lond).* 2024 Jun 7. doi: 10.1038/s41366-024-01528-0. Epub ahead of print. PMID: 38849463.
- (1265) Marin-Couture E, Pérusse L, Bouchard C, Schrauwen P, Joannis DR, Tremblay A. Mechanical efficiency: associations with body composition and glycemic profile in healthy adults. *Eur J Appl Physiol.* 2024 Dec;124(12):3661-3670. doi: 10.1007/s00421-024-05528-w. Epub 2024 Jul 28. PMID: 39068628.

## **8. Oral and Poster Presentations (excluding Invited Presentations)**

- (1) Bouchard C et al. Canadian Association for Health, Physical Education and Recreation (CAHPER, 16<sup>th</sup> Annual Meeting). "Effects of a daily program of physical exercises on physical working capacity of a group of adults". Fredericton, New Brunswick, 1965.
- (2) Bouchard C. Association canadienne-française pour l'avancement des sciences (ACFAS). "Contribution de l'éducation physique au développement biologique de l'enfant en milieu scolaire". Montréal, 1965.
- (3) Bouchard C. Association canadienne-française pour l'avancement des sciences (ACFAS). "Maturité biologique et développement de la structure et des qualités physiques de l'enfant". Montréal, 1965.
- (4) Bouchard C et al. Congrès provincial de la FEPRQ. "Etude comparative des résultats obtenus, par un groupe de jeunes adultes entraînés, lors de différents tests cardiovasculaires et d'un test standard de capacité au travail". Québec, 1966.
- (5) Bouchard C et al. Congrès provincial de la FEPRQ. "Effets d'un programme bi-hebdomadaire d'entraînement sur la condition physique de jeunes adultes masculins fréquentant un centre de loisirs". Québec, 1966.
- (6) Bouchard C et al. Association canadienne-française pour l'avancement des sciences (ACFAS). "Effets d'un programme bi-hebdomadaire d'entraînement sur la condition physique d'adultes des deux sexes fréquentant un centre de loisirs". Québec, 1966.
- (7) Roy B et al. Association canadienne-française pour l'avancement des sciences (ACFAS). "Relations entre le niveau de maturité biologique, la position et la performance au hockey et



- l'origine démographique des joueurs participant au Tournoi international de Hockey Pee-Wee". Québec, 1966.
- (8) Bouchard C et al. Association canadienne-française pour l'avancement des sciences (ACFAS). "Relations entre le niveau de maturité biologique, la participation à l'activité physique et certaines structures morphologiques et organiques au cours de la croissance de l'enfant". Québec, 1966.
  - (9) Bouchard C et al. Canadian Association for Health, Physical Education and Recreation (CAHPER, 17<sup>th</sup> Annual Meeting). "Développement du volume cardiaque et de la capacité physique au travail et leurs relations avec le niveau de maturité biologique chez des garçons de 8 à 18 ans". Montréal, 1967.
  - (10) Bouchard C et al. Association internationale de pédagogie expérimentale de langue française (AIPELF). "Relations entre la maturité biologique et certains éléments de la valeur physique avec dégagement des implications méthodologiques pour l'éducation physique scolaire". Sherbrooke, 1967.
  - (11) Bouchard C et al. Association internationale de pédagogie expérimentale de langue française (AIPELF). "Evaluation du développement des qualités organiques et musculaires chez des garçons d'une école secondaire sous l'effet d'un programme bi-hebdomadaire d'éducation physique". Sherbrooke, 1967.
  - (12) Bouchard C et al. Association canadienne-française pour l'avancement des sciences (ACFAS). "Une étude sur les athlètes canadiens lors des jeux Pan-Américains de Winnipeg 1967. I- Le niveau de maturité biologique des athlètes des deux sexes dans divers sports". Sherbrooke, 1967.
  - (13) Association canadienne-française pour l'avancement des sciences (ACFAS). "Une étude sur les athlètes canadiens lors des jeux Pan-Américains de Winnipeg. II- Prédiction de l'intelligence par la détermination de la latence du potentiel cortical suite à une stimulation phonique". Sherbrooke (collaborateur), 1967.
  - (14) Bouchard C et al. Association canadienne-française pour l'avancement des sciences (ACFAS). "Durée d'un travail à 600 kpm pour la prédiction de la VO<sub>2</sub> maximale en vue de la sélection massive des candidats aux études en éducation physique". Ottawa, 1968.
  - (15) Bouchard C. Colloque du Conseil du Québec de l'enfance exceptionnelle. "Le schéma corporel". Montréal, 1969.
  - (16) Bouchard C & Godbout P. Association canadienne-française pour l'avancement des sciences (ACFAS). "Inventaire des moyens disponibles pour évaluer les facteurs de la valeur physique". Québec, 1970.
  - (17) Carrier R et al. L'Association canadienne des sciences du sport (CASS-ACSS). "Comparaison entre des athlètes, une population normale et des nordiques au plan de quelques paramètres biochimiques". Québec, 1970.
  - (18) Bouchard C. Groupe inter-universitaire de recherche sur l'activité physique (GIURAP). "Le contrôle de l'état d'entraînement des athlètes". Montréal, 1971.

- (19) Bouchard C et al. Groupe inter-universitaire de recherche sur l'activité physique (GIURAP). "Une étude sur le taux de généralité et de spécificité lors de l'effort sous-maximal en état constant et de la capacité maximale de travail lors d'efforts en vita-maxima". Montréal, 1971.
- (20) Bouchard C et al. Groupe inter-universitaire de recherche sur l'activité physique (GIURAP). "Une étude sur la fréquence, l'intensité et la durée de programmes minimum de conditionnement physique et leurs effets sur la capacité physique au travail de jeunes adultes". Montréal, 1971.
- (21) Landry F et al. Groupe inter-universitaire de recherche sur l'activité physique (GIURAP). "De l'utilité d'un index de classification (Mellerowicz et al.) dans l'évaluation de la propension à la maladie coronarienne". Québec, 1972.
- (22) Groupe inter-universitaire de recherche sur l'activité physique (GIURAP). "Observations sur le taux d'anxiété d'un groupe d'adultes de sexe mâle en regard des principaux facteurs de risque associés à la maladie coronarienne". Québec (collaborateur), 1972.
- (23) Groupe inter-universitaire de recherche sur l'activité physique (GIURAP). "Un inventaire des moyens disponibles pour évaluer les facteurs de la valeur physique avec une application au cadre scolaire". Québec, 1972.
- (24) Landry F et al. International symposium of the Benedikt-Kreuz rehabilitation center. "Effects of a short-term individualized exercise program on coronary prone subjects. Circulatory and biochemical effects. Bad Krozingen, West Germany (collaborator), 1972.
- (25) Association canadienne des sciences du sport (CASS/ACSS). "Blood proteins and enzymes after a short-term organic endurance program on coronary-prone subjects". Vancouver (collaborator), 1972.
- (26) Bouchard C et al. Premier congrès canadien pour l'étude pluri-disciplinaire du sport et de l'activité physique. "Les taux de généralité et de spécificité de la puissance aérobie maximale en vita-maxima". Montréal, 1973.
- (27) Carrier R et al. First European congress of clinical chemistry. "Enzymology in the supervision of physical training in coronary prone subjects", 1974.
- (28) Bouchard C & Hollmann W. American Association of Physical Anthropology. "Relationships between skeletal maturation and heart volume, submaximal work capacity, and maximal aerobic power in boys 8 to 18 years of age". Denver, 1975.
- (29) Bouchard C et al. American Association of Physical Anthropology. "A study of the specificity of maximal aerobic power with implications for human adaptability research". Saint-Louis, 1976.
- (30) Bouchard C et al. Third Canadian Child Growth and Development Symposium. "Relationships between skeletal age and submaximal working capacity in boys 8 to 18 years". London, Ontario, 1976.
- (31) Bouchard C et al. Canadian Association of Sport Sciences. "Path analysis of family resemblance in physique". Winnipeg, 1977.

- (32) Colloque de l'Académie canadienne de la médecine du sport. "Le pourcentage de la population ayant le potentiel pour des performances supérieures en endurance". Québec (collaborateur), 1977.
- (33) Landry F et al. Symposium international sur les épreuves d'effort en cardiologie. "Le potentiel pour les épreuves sportives requérant une puissance aérobie élevée dans la population canadienne". Bordeaux (collaborateur), 1977.
- (34) Club de recherches cliniques du Québec. "Base métabolique d'une puissance aérobie innée exceptionnellement élevée". Manoir Richelieu, Québec (collaborateur), 1977.
- (35) Bouchard C. Club de recherche en biologie de l'activité physique. "La spécificité de la capacité aérobie sous-maximale et de la puissance aérobie maximale". Québec, 1978.
- (36) Bouchard C et al. Human Biology Council. "Genetics of physical working capacity and motor performance". Toronto, 1978.
- (37) Bouchard C et al. American College of Sports Medicine. "Genetics of somatotype components". Washington, 1978.
- (38) Bouchard C et al. Second International Seminar on Kinanthropometry. "Genetic pleiotropism in skeletal lengths and breadths". Leuven, 1978.
- (39) Bouchard C et al. Club de recherches cliniques du Québec. "Une estimation des sources de covariation entre frères et soeurs pour des variables sériques". La Malbaie, Québec, 1978.
- (40) Bouchard C et al. Club de recherche en biologie de l'activité physique. "Les conditions d'entraînement de la capacité sous-maximale de travail chez les jeunes adultes". Québec, 1978.
- (41) Allard C et al. Club de recherches cliniques du Québec. "Variants génétiques érythrocytaires chez l'athlète d'endurance: les lactates (LDH) et malates (MDH) déshydrogénases". La Malbaie, Québec, 1978.
- (42) Bouchard C et al. American Association of Physical Anthropologists. "Siblings correlations and genetic estimates for selected blood variables". San Francisco, 1979.
- (43) Bouchard C et al. American College of Sports Medicine. "Gene frequencies at 10 loci among Caucasian olympic athletes in endurance sports". Honolulu, 1979.
- (44) Bouchard C et al. Fourth International Symposium on Biochemistry of Exercise. "Approximations of genetic effects in human blood chemistry and physical working capacity". Brussels, 1979.
- (45) Club de recherche en biologie de l'activité physique. "Spécificité de la capacité sous-maximale de travail". Québec (collaborateur), 1979.
- (46) Bouchard C et al. American Society of Human Genetics. "Familial resemblance for submaximal and maximal physical working capacities". Minneapolis, 1979.

- (47) Allard C et al. Club de recherches cliniques du Québec. "Focalisation isoélectrique verticale à bas voltage dans un gel mince de polyacrylamide-marqueurs enzymatiques chromosomiques". La Malbaie, Québec (collaborateur), 1979.
- (48) Bouchard C. Club de recherches en biologie de l'activité physique. "La génétique de la capacité physique de travail: quelques résultats préliminaires". Québec, 1979.
- (49) Bouchard C et al. American Association of Physical Anthropology. "Familial resemblance in subcutaneous fat thickness and body density: a preliminary report". Buffalo, 1980.
- (50) Savard R et al. Association canadienne-française pour l'avancement des sciences. "Ressemblance familiale dans la graisse corporelle". Québec, 1980.
- (51) Lortie G et al. Association canadienne-française pour l'avancement des sciences. "Ressemblance familiale pour la puissance aérobie de travail". Québec, 1980.
- (52) Chagnon Y et al. Association canadienne-française pour l'avancement des sciences. "Athlètes olympiques en endurance: l'étude des fréquences géniques de 15 loci de systèmes antigéniques et enzymatiques du globule rouge". Québec, 1980.
- (53) Bouchard C et al. American College of Sports Medicine. "Familiality in subcutaneous fat: genetic or cultural?" Las Vegas, 1980.
- (54) Stephens T et al. Canadian Association of Sport Sciences. "The Canada Fitness Survey: Planning for a nation wide fitness test". Toronto, 1980.
- (55) Savard R et al. Canadian Association of Sport Sciences. "Family resemblance in fatness: A preliminary report". Toronto, 1980.
- (56) Lortie G et al. Canadian Association of Sport Sciences. "Are there family lines in maximal aerobic power?" Toronto, 1980.
- (57) Diano R et al. Canadian Association of Sport Sciences. "Parent-child resemblance in left ventricular echocardiographic measurements: preliminary results". Toronto, 1980.
- (58) Bouchard C et al. Canadian Association of Sport Sciences. "Assessment of energy intake and expenditure in children and adults for genetic studies". Toronto, 1980.
- (59) Savard R et al. American Association of Physical Anthropology. "Energy intake and expenditure in parents and their children". Detroit, 1981.
- (60) Lortie G et al. American Association of Physical Anthropology. "Effects of age, sex, socioeconomic status, smoking, body fat and energy expenditure on maximal aerobic power". Detroit, 1981.
- (61) Bouchard C et al. American Association of Physical Anthropology. "Are there family lines in physical fitness and performance related variables?" Detroit.
- (62) Lortie G et al. American College of Sports Medicine. "Are there patterns in genetic inheritance for maximal aerobic power?" Miami, 1981.

- (63) Jobin J et al. American College of Sports Medicine. "Influence of somatotype on selected prediction equations of body fat". Miami, 1981.
- (64) Diano R et al. American College of Sports Medicine. "Familial resemblances in left ventricular echocardiography". Miami, 1981.
- (65) Bouchard C et al. American College of Sports Medicine. "Are there family lines in catecholamine changes during cold stress and maximal exercise?" Miami, 1981.
- (66) Savard R et al. Association canadienne-française pour l'avancement des sciences. "Les chromosomes sexuels et les variations dans la graisse corporelle". Sherbrooke, 1981.
- (67) Diano R et al. Association canadienne-française pour l'avancement des sciences. "Les ressemblances familiales pour les dimensions échocardiographiques du ventricule gauche". Sherbrooke, 1981.
- (68) Lortie G et al. Association canadienne-française pour l'avancement des sciences. "Effets de l'âge, du sexe, du niveau socio-économique, de la consommation de cigarettes, de la graisse corporelle, et de la dépense d'énergie sur la puissance aérobie maximale". Sherbrooke, 1981.
- (69) Prud'homme D et al. Canadian Association of Sport Sciences. "Reliability of aerobic threshold, anaerobic threshold and aerobic power determined on bicycle ergometer". Halifax, 1981.
- (70) Rivest J et al. Canadian Association of Sport Sciences. "Association between HLA loci and left ventricular echocardiographic measurement". Halifax, 1981.
- (71) Landry F et al. Canadian Association of Sport Sciences. "Accuracy of constant load electromagnetic bicycle ergometers". Halifax, 1981.
- (72) Despres JP et al. Canadian Association of Sport Sciences. "Morphology and metabolism of isolated human fat cells: a reliability study". Halifax, 1981.
- (73) Bouchard C et al. American Association of Physical Anthropology. "Body density and body composition in adopted and biological siblings". Eugene, 1982.
- (74) Bouchard C et al. American College of Sports Medicine. "Submaximal physical working capacity in adopted and biological siblings". Minneapolis, 1982.
- (75) Leclerc S et al. American College of Sports Medicine. "Association between serum high-density lipoprotein, body density and body composition in adult men". Minneapolis, 1982.
- (76) Legault M et al. American College of Sports Medicine. "Sex differences in exercise prescription using maximal heart rate reserve in middle age healthy adults". Minneapolis, 1982.
- (77) Rivest J et al. American College of Sports Medicine. "Association between HLA loci and body fatness indicators". Minneapolis, 1982.
- (78) Despres JP et al. Association canadienne-française pour l'avancement des sciences. "Morphologie et métabolisme du tissu adipeux chez des jumeaux monozygotes". Montréal, 1982.

- (79) Lortie G et al. Association canadienne-française pour l'avancement des sciences. "Relation entre les fibres à contraction lente et des mesures de capacité et de puissance chez l'humain". Montréal, 1982.
- (80) Perusse L et al. ; Association canadienne-française pour l'avancement des sciences. "Condition physique et habitudes alimentaires". *Annales de l'ACFAS* 49:217, 1982, Montréal, 1982.
- (81) Prud'homme D et al. Association canadienne-française pour l'avancement des sciences. "Relation entre deux paramètres respiratoires pour la détermination des seuils aérobie et anaérobie". Montréal, 1982.
- (82) Savard R et al. Association canadienne-française pour l'avancement des sciences. "Morphologie et métabolisme du tissu adipeux chez des marathoniens: résultats préliminaires". Montréal, 1982.
- (83) Simoneau JA et al. Association canadienne-française pour l'avancement des sciences. "Relations entre les caractéristiques histochimiques et biochimiques du muscle humain et la fatigabilité des extenseurs de la jambe". Montréal, 1982.
- (84) Despres JP et al. Annual Meeting of the Canadian Society of Physiology. "Fatness, physical activity and isolated human fat cell lipolysis". Québec, 1982.
- (85) Allard C et al. Fifth International Symposium on Biochemistry of Exercise. "Familial aggregation of PWC150, blood lipid components, and serum uric acid in adopted and biological siblings". Boston, 1982.
- (86) Lortie G et al. Fifth International Symposium on Biochemistry of Exercise. "Relationships between fiber type, enzyme activities, anaerobic capacity and human muscle fatigue". Boston, 1982.
- (87) Despres JP et al. Fifth International Symposium on Biochemistry of Exercise. "Effects of sex, fatness and training status on human fat cell lipolysis". Boston, 1982.
- (88) Boulay MR et al. Canadian Association of Sport Sciences. "A test of aerobic capacity: reliability and relationships with aerobic power and anaerobic threshold". Victoria, 1982.
- (89) Despres JP et al. Canadian Association of Sport Sciences. "Effects of training on adipose tissue morphology and metabolism in monozygotic twins". Victoria, 1982.
- (90) Simoneau JA et al. Canadian Association of Sport Sciences. "Tests of anaerobic alactacid and lactacid capacities: description and reliability". Victoria, 1982.
- (91) Lortie G et al. Canadian Association of Sport Sciences. "Relationship between  $\text{VO}_2$  max, aerobic and anaerobic thresholds and histochemical and biochemical human muscle characteristics". Victoria, 1982.
- (92) Savard R et al. Canadian Association of Sport Sciences. "Marathon runners adipose tissue morphology, lipogenesis and lipolysis: a preliminary report". Victoria, 1982.
- (93) Bouchard C et al. Canadian Association of Sport Sciences. "Body fatness and lean body mass in unrelated and biological siblings". Victoria, 1982.

- (94) Perusse L et al. 18<sup>e</sup> Assises annuelles de la Société de médecine prospective. "Condition physique et habitudes de vie". Québec, 1982.
- (95) Simoneau JA et al. 18<sup>e</sup> Assises annuelles de la Société de médecine prospective. "Caractéristiques histochimiques et enzymatiques du muscle humain: différences entre les sexes". Québec, 1982.
- (96) Després JP et al. 18<sup>e</sup> Assises annuelles de la Société de médecine prospective. "Dimorphisme sexuel dans la morphologie et le métabolisme du tissu adipeux humain". Québec, 1982.
- (97) Savard R et al. 18<sup>e</sup> Assises annuelles de la Société de médecine prospective. "Ressemblances familiales dans l'ingestion et la dépense d'énergie et leurs influences sur la variation dans la graisse corporelle". Québec, 1982.
- (98) Tremblay A et al. 18<sup>e</sup> Assises annuelles de la Société de médecine prospective. "Le rapport entre l'ingestion et la dépense d'énergie: une différence entre les sexes". Québec, 1982.
- (99) Lortie G et al. 18<sup>e</sup> Assises annuelles de la Société de médecine prospective. "La consommation maximale d'oxygène: relations avec l'âge, le sexe, la graisse corporelle et le style de vie". Québec, 1982.
- (100) Simoneau JA et al. Club de recherches cliniques du Québec. "Caractéristiques histochimiques du muscle humain: ressemblance au sein de fratries". Ile-aux-Coudres, 1982.
- (101) Lortie G et al. Club de recherches cliniques du Québec. "Relations entre des indicateurs des métabolismes aérobie et anaérobies de travail et les caractéristiques histochimiques et enzymatiques du muscle humain". Ile-aux-Coudres, 1982.
- (102) Despres JP et al. XIth International Congress of Anthropological and Ethnological Sciences. "Human adiposity and fat cell metabolism: effects of sex, fatness level and physical training". Québec, 1983.
- (103) Savard R et al. XIth International Congress of Anthropological and Ethnological Sciences. "Body fat variation and its relationship with energy storage mechanism in human adipose tissue". Québec, 1983.
- (104) Boulay MR et al. American College of Sports Medicine. "Work powers and capacities: quantitative specificity". Montréal, 1983.
- (105) Landry F et al. American College of Sports Medicine. "Cardiac dimensions in twins following endurance training". Montréal, 1983.
- (106) Despres JP et al. American College of Sports Medicine. "Effect of a 20-week endurance training program on adipose tissue morphology and lipolysis in men and women". Montréal, 1983.
- (107) Lortie G et al. American College of Sports Medicine. "Changes in fiber type distribution and trainability of maximal aerobic power and capacity". Montréal, 1983.
- (108) Prud'homme D et al. American College of Sports Medicine. "Sensitivity of maximal aerobic power to training is genotype dependent". Montréal, 1983.

- (109) Savard R et al. American College of Sports Medicine. "Changes in fat cell lipogenesis following a 20-week endurance training program". Montréal, 1983.
- (110) Bouchard C & Despres JP. Fourth International Congress on Twin Studies. "Evidence for a genotype-lifestyle interaction from MZ twins". London, UK, 1983.
- (111) Lesage R et al. Association canadienne-française pour l'avancement des sciences. "Ressemblance des jumeaux au plan de la capacité aérobie maximum". Trois-Rivières, 1983.
- (112) Poehlman E et al. Association canadienne-française pour l'avancement des sciences. "L'effet de la caféine sur le métabolisme de repos de sujets sédentaires et entraînés". Trois-Rivières, 1983.
- (113) Hamel P et al. Association canadienne-française pour l'avancement des sciences. "Relations entre les caractéristiques histochimiques et biochimiques du muscle humain et la capacité aérobie maximale". Trois-Rivières, 1983.
- (114) D'Amours Y et al. Association canadienne-française pour l'avancement des sciences. "Reproductibilité intra et inter-évaluateurs des mesures échocardiographiques". Trois-Rivières, 1983.
- (115) Boulay MR et al. Association canadienne-française pour l'avancement des sciences. "Trainabilité de la puissance et de la capacité aérobie à la suite de programme d'entraînement à dominante aérobie ou anaérobie". Trois-Rivières, 1983.
- (116) Lortie G et al. Association canadienne-française pour l'avancement des sciences. "Spécificité dans la réponse à l'entraînement de la puissance et de la capacité aérobie". Trois-Rivières, 1983.
- (117) Savard R et al. Association canadienne-française pour l'avancement des sciences. "Relations entre différents indicateurs d'accumulation des lipides du tissu adipeux et la graisse corporelle". Trois-Rivières, 1983.
- (118) Bouchard C et al. Association canadienne-française pour l'avancement des sciences. "Les effets génétiques dans la densité corporelle". Trois-Rivières, 1983.
- (119) Fontaine E et al. Association canadienne-française pour l'avancement des sciences. "La similitude du métabolisme de repos chez les jumeaux monozygotes (MZ)". Trois-Rivières, 1983.
- (120) Tremblay E et al. Association canadienne-française pour l'avancement des sciences. "La relation entre la dépense et l'apport énergétiques quotidiens: une différence entre les sexes". Trois-Rivières, 1983.
- (121) Simoneau JA et al. Association canadienne-française pour l'avancement des sciences. "Relations entre la distribution des types de fibres et les caractéristiques biochimiques du muscle chez des sujets sédentaires". Trois-Rivières, 1983.
- (122) Thériault G et al. Association canadienne-française pour l'avancement des sciences. "Corrélation entre des données de l'examen médical et de la condition physique". Trois-Rivières, 1983.
- (123) Després JP et al. Association canadienne-française pour l'avancement des sciences. "Etude de la relation entre le volume d'entraînement et la lipolyse adipocytaire". Trois-Rivières, 1983.



- (124) Perusse L et al. Association canadienne-française pour l'avancement des sciences. "Ressemblance familiale dans la condition physique". *Annales de l'ACFAS*, 50:230, 1983, Trois-Rivières, 1983.
- (125) Bouchard C et al. Symposium on the Regulation of Energy Expenditure. "Resemblance between biological and cultural relatives in daily energy expenditure". Stowe, Vermont, 1983.
- (126) Fontaine E et al. IV International Congress on Obesity. "Contribution of resting metabolic rate in the genetic determination of body fatness". New York, 1983.
- (127) Despres JP et al. IV International Congress on Obesity. "Effects of exercise-training and detraining on human fat cell lipolysis in men and women". New York, 1983.
- (128) Savard R et al. IV International Congress on Obesity. "Effect of fatness level and exercise-training on lipid accumulation in human fat cells". New York, 1983.
- (129) Poehlman E et al. IV International Congress on Obesity. "The effect of caffeine on the resting metabolic rate of exercise- trained and inactive subjects". New York, 1983.
- (130) Tremblay A et al. IV International Congress on Obesity. "Effect of exercise- training on total body fatness and adipose tissue morphology in men and women". New York, 1983.
- (131) Tremblay A et al. Canadian Association of Sport Sciences. "Factors limiting body fat loss in response to exercise-training". Waterloo, Ontario, 1983.
- (132) Simoneau JA et al. Canadian Association of Sport Sciences. "Human muscle enzymes alterations after aerobic and anaerobic training". Waterloo, Ontario, 1983.
- (133) Lortie G et al. Canadian Association of Sport Sciences. "Effect of a strenuous aerobic training in sedentary subjects: trainability of maximal aerobic power and capacity". Waterloo, Ontario, 1983.
- (134) Boulay MR et al. Canadian Association of Sport Sciences. "Maximal aerobic capacity, ventilatory anaerobic threshold and onset of blood lactate accumulation". Waterloo, Ontario, 1983.
- (135) Lesage R et al. Canadian Association of Sport Sciences. "Maximal aerobic power and capacity in monozygotic (MZ) and dizygotic twins". Waterloo, Ontario, 1983.
- (136) Poehlman E et al. Canadian Association of Sport Sciences. "The effect of caffeine on the resting metabolic rate of exercise-trained and inactive subjects". Waterloo, Ontario, 1983.
- (137) Savard R et al. Canadian Association of Sport Sciences. "Adipose tissue lipoprotein lipase activity changes with endurance training". Waterloo, Ontario, 1983.
- (138) Bouchard C et al. Canadian Association of Sport Sciences. "Resemblance between relatives in habitual energy expenditure". Waterloo, Ontario, 1983.
- (139) Landry F et al. Canadian Association of Sport Sciences. "Cardiac dimensions in sedentary subjects following endurance training". Waterloo, Ontario, 1983.
- (140) Despres JP et al. Canadian Association of Sport Sciences. "Effects of training on human subcutaneous adipose tissue". Waterloo, Ontario, 1983.

- (141) Hamel P et al. Canadian Association of Sport Sciences. "Relationship between human muscle characteristics and maximal aerobic capacity". Waterloo, Ontario, 1983.
- (142) Simoneau JP et al. Club de recherches cliniques du Québec. "Relations entre les caractéristiques histochimiques et biochimiques du muscle humain et les performances aérobiques". Pointe-au-Pic, Québec, 1983.
- (143) Lortie G et al. Club de recherches cliniques du Québec. "L'entraînement aérobique et anaérobique: effet sur les types de fibres musculaires". Pointe-au-Pic, Québec, 1983.
- (144) Fontaine E et al. Colloque Innovations et Connaissances '83 en Activité Physique. "Contribution du métabolisme de repos dans la détermination des niveaux de graisse corporelle". Québec, 1983.
- (145) Poehlman E et al. Colloque Innovations et Connaissances '83 en Activité Physique. "Les effets de la caféine sur le métabolisme de repos chez des sujets entraînés et sédentaires". Québec, 1983.
- (146) Hamel P et al. Colloque Innovations et Connaissances '83 en Activité Physique. "Les changements dans les enzymes du muscle humain à la suite d'entraînement aérobique et anaérobique". Québec, 1983.
- (147) Despres JP et al. Colloque Innovations et Connaissances '83 en Activité Physique. "Effet de l'entraînement sur la morphologie de la graisse sous-cutanée chez l'humain". Québec, 1983.
- (148) Simoneau JP et al. Colloque Innovations et Connaissances '83 en Activité Physique. "Le tissu musculaire humain: son importance dans les capacités et puissance de travail aérobique ainsi que la réponse à l'entraînement aérobique". Québec, 1983.
- (149) Lortie G et al. Colloque Innovations et Connaissances '83 en Activité Physique. "Relations entre des caractéristiques histochimiques et biochimiques du muscle humain et la capacité aérobique maximale". Québec, 1983.
- (150) Lesage R et al. Colloque Innovations et Connaissances '83 en Activité Physique. "Puissance et capacité aérobique maximale chez les jumeaux monozygotes (MZ) et dizygotes (DZ)". Québec, 1983.
- (151) Landry F et al. Fifth International Seminar on Ergometry. "On the accuracy of constant-load electro-magnetic bicycle ergometer". Freiburg-Titisee, Germany, 1983.
- (152) Bouchard C et al. American Association of Physical Anthropology. "Twin resemblance in fatness and fat cell metabolism". Philadelphia, 1984.
- (153) Boulay MR et al. American College of Sports Medicine. "Genotype effect in the response of maximal aerobic power and capacity to anaerobic training". San Diego, 1984.
- (154) Fontaine E et al. Association canadienne-française pour l'avancement des sciences. "Le métabolisme de repos chez des sujets entraînés et non-entraînés et sa relation avec la graisse corporelle". Québec, 1984.
- (155) Hamel P et al. Association canadienne-française pour l'avancement des sciences. "Relations entre des caractéristiques histochimiques et biochimiques du muscle humain et des indicateurs de la graisse corporelle". Québec, 1984.

- (156) Poehlman E et al. Association canadienne-française pour l'avancement des sciences. "Effet du génotype sur les changements induits par la suralimentation dans la graisse corporelle et sa distribution". *Annales de l'ACFAS*, 51:209, Quebec, 1984.
- (157) Landry F et al. American College of Cardiology. "Sensitivity of cardiac dimensions to training is genotype dependent". Dallas, 1984.
- (158) Landry F et al. Pre-Olympic Scientific Congress. "Cardiovascular adaptation to training revisited: new evidence of genotype dependency". Eugene, Oregon, 1984.
- (159) Simoneau JA et al. Pre-Olympic Scientific Congress. "Anaerobic alactacid capacity in adopted and biological siblings". Eugene, Oregon, 1984.
- (160) Lortie G et al. Pre-Olympic Scientific Congress. "Muscle fiber type ditribution and enzyme activities in biological sibs and monozygotic twins". Eugene, Oregon, 1984.
- (161) Boulay MR et al. Pre-Olympic Scientific Congress. "Sensitivity of maximal aerobic power and capacity to anaerobic training is partly genotype dependent". Eugene, Oregon, 1984.
- (162) Tremblay A et al. North-American Association for the Study of Obesity. "Adipose tissue characteristics of ex-obese long distance runners". Seattle, 1984.
- (163) Poehlman E et al. North-American Association for the Study of Obesity. "Genotype and changes in body composition and fat morphology following overfeeding". Seattle, 1984.
- (164) Hamel P et al. Club de recherches cliniques du Québec. "Rapport entre les caractéristiques du muscle squelettique et du tissu adipeux chez l'homme et la femme". Pointe-au-Pic, Québec, 1984.
- (165) Simoneau JA et al. Club de recherches cliniques du Québec. "Reproductibilité de la détermination des types de fibres et de l'activité enzymatique du muscle squelettique humain". Pointe-au-Pic, Québec, 1984.
- (166) Boulay MR et al. Club de recherches cliniques du Québec. "Effets de l'entraînement aérobie sur la performance d'endurance et le muscle squelettique". Pointe-au-Pic, Québec, 1984.
- (167) Boulay MR et al. Colloque "Innovations et connaissances '84 en activité physique" de l'ADDEPUL. Les capacités et puissances aérobies et anaérobies chez des Négroïdes et des Caucasiens mâles. Québec, 1984.
- (168) Colloque "Innovations et connaissances '84 en activité physique" de l'ADDEPUL. La variation génétique au sein des enzymes du globule rouge chez des athlètes Olympiques. Québec, novembre 1984 (collaborateur).
- (169) Hamel P et al. Colloque "Innovations et connaissances '84 en activité physique" de l'ADDEPUL. Le rôle de l'hérédité dans la sensibilité de la puissance et de la capacité aérobie des caractéristiques du muscle à l'entraînement aérobie. Québec, 1984.
- (170) Lortie G et al. Colloque "Innovations et connaissances '84 en activité physique" de l'ADDEPUL. La variation génétique dans les enzymes du muscle squelettique chez l'humain. Québec, 1984.

- (171) Perusse L et al. Colloque "Innovations et connaissances '84 en activité physique" de l'ADDEPUL. Les ressemblances familiales dans la condition physique. Québec, 1984.
- (172) Poehlman et al. Colloque "Innovations et connaissances '84 en activité physique" de l'ADDEPUL. L'hérédité et la thermogénèse induite par un repas avant et après une période de 22 jours de suralimentation. Québec, 1984.
- (173) Després JP et al. Colloque "Innovations et connaissances '84 en activité physique" de l'ADDEPUL. Les caractéristiques de la graisse et du métabolisme chez des sujets obèses et ex-obèses. Québec, 1984.
- (174) Simoneau JA et al. Colloque "Innovations et connaissances '84 en activité physique" de l'ADDEPUL. L'hérédité et la réponse du muscle et des capacités anaérobies à l'entraînement anaérobie. Québec, 1984.
- (175) Ama P et al. Canadian Association of Sport Sciences, Aerobic and anaerobic power and capacities in male Negroïds and Caucasians. Moncton, 1984.
- (176) Bouchard C et al. Canadian Association of Sport Sciences. Relationship between energy intake, energy expenditure and body fat and fat distribution in children and adults., Moncton, 1984.
- (177) Boulay MR et al. Canadian Association of Sport Sciences, Effects of ergocycle training on maximal aerobic power assessed with ergocycle and treadmill tests. Moncton, 1984.
- (178) Couture L et al. Canadian Association of Sport Sciences, Genetic variation in red blood cell enzymes in Olympic athletes. Moncton, 1984.
- (179) Hamel P et al. Canadian Association of Sport Sciences, Effect of genotype on sensitivity of aerobic performances and muscle characteristics to aerobic training. Moncton, 1984.
- (180) Lagassé P et al. Canadian Association of Sport Sciences, Sex differences in tolerance to muscle fatigue before and after anaerobic training. Moncton, 1984.
- (181) Landry F et al. Canadian Association of Sport Sciences, Correlations for heart size and structures in monozygotic and dizygotic twins. Moncton, 1984.
- (182) Landry S et al. Canadian Association of Sport Sciences, Genetic variation in 12 skeletal muscle enzymes: a preliminary report on 72 males and females. Moncton, 1984.
- (183) Pérusse L et al. Canadian Association of Sport Sciences, Familial resemblance in physiological fitness. *Canadian Journal of Applied Sport Sciences* 9:27P, 1984. Moncton, 1984.
- (184) Poehlman E et al. Canadian Association of Sport Sciences, Genotype dependency of dietary induced thermogenesis: relation with hormonal changes following short-term overfeeding. Moncton, 1984.
- (185) Roy MA et al. Canadian Association of Sport Science, Changes in alphas-motoneuron excitability following isokinetic training in sedentary females and males. Moncton, 1984.

- (186) Simoneau JA et al. Canadian Association of Sport Sciences, Heredity and the response of muscle fiber type, glycolytic enzyme activities and maximal anaerobic capacities to high intensity intermittent training in humans. Moncton, 1984.
- (187) Tremblay A et al. Canadian Association of Sport Sciences, Sex dimorphism in fat loss in response to exercise-training. Moncton, 1984.
- (188) Bouchard C. Club de recherche en biologie de l'activité physique, Université Laval. Hérité et trainabilité des capacités et puissances aérobies. Ste-Foy, 1985.
- (189) Poehlman E et al. Rencontre scientifique du Centre de recherche en nutrition de l'Université Laval. "The effects of overfeeding on human body fatness: implications of genotype". Québec, 1985.
- (190) Boulay MR et al. American College of Sports Medicine. Lactate and ventilatory thresholds and maximal aerobic power and capacity. Nashville, TN, 1985.
- (191) Bouchard C et al. 6th International Symposium on Biochemistry of Exercise. "Genetic variants in human skeletal muscle creatine kinase and myokinase and their relationship with anaerobic performances". Copenhagen, 1985. G et al. 6th International Symposium on Biochemistry of Exercise. "Relationships between maximal aerobic power and capacity and human muscle characteristics in sedentary and active subjects". Copenhagen, 1985.
- (192) Lortie G et al. 6th International Symposium on Biochemistry of Exercise. "Maximal aerobic power and capacity during periods of aerobic training, detraining, and retraining". Copenhagen, 1985.
- (193) Marcotte M et al. 6th International Symposium on Biochemistry of Exercise. "Effects of training, detraining, and retraining on human skeletal muscle: a comparison of continuous, intermittent and strength training". Copenhagen, 1985.
- (194) Simoneau JA et al. 6th International Symposium on Biochemistry of Exercise. "Effect of the genotype on the response of human skeletal muscle enzyme activities to high-intensity intermittent training". Copenhagen, 1985.
- (195) Tremblay A et al. 6th International Symposium on Biochemistry of Exercise. "Effects of exercise-training on plasma glucose and insulin in monozygotic twins". Copenhagen, 1985.
- (196) Ama P et al. IVth International Congress of Auxology. "Fat distribution and fat metabolism in male African and Caucasian subjects". Montreal, 1985.
- (197) Perusse L et al. IVth International Congress of Auxology. "Sibling correlations in physical fitness and health indicators". *Annals of Human Biology* 12:suppl 1,40, 1985. Montreal, 1985.
- (198) Poehlman E et al. IVth International Congress of Auxology. "Genotype and changes in body composition, fat morphology, and dietary induced thermogenesis following overfeeding". Montreal, 1985.
- (199) Marcotte M et al. Canadian Association of Sport Sciences. "Effects of detraining on human skeletal muscle characteristics following three modes of training". Québec, 1985.

- (200) Perusse L et al. Canadian Association of Sport Sciences. "Genetic and environmental sources of variation in physical fitness". *Canadian Journal of Applied Sport Sciences* 10:24P, 1985. Québec, 1985.
- (201) Poehlman E et al. Canadian Association of Sport Sciences. "Genotype dependency of resting metabolic rate and thermic effect of a meal with associated hormonal changes following short-term exercisetraining". Québec, 1985.
- (202) Serresse O et al. Canadian Association of Sport Sciences. "Alactacid and lactacid anaerobic capacity and power in sedentary and active male and female subjects". Québec, 1985.
- (203) Tourillon G et al. Canadian Association of Sport Sciences. "Sex differences in energy intake following a prolonged vigorous exercise". Québec, 1985.
- (204) Tremblay A et al. Canadian Association of Sport Sciences. "Variation in energy intake in relation to daily physical activity". Québec, 1985.
- (205) Perusse L et al. Joint Conference of the American Diabetes Association and the North-American for the Study of Obesity. "Biological and cultural inheritance in body composition". *International Journal of Obesity* 9:A82, 1985. Toronto, 1985.
- (206) Poehlman ET, Tremblay A, Després JP, Fontaine E, Pérusse L, Bouchard C. Joint Conference of the American Diabetes Association and the North-American Association for the Study of Obesity. Genotype and changes in body composition and fat morphology following overfeeding. *International Journal of Obesity* 9:A139, 1985. Toronto, 1985.
- (207) Tremblay A, Poehlman E, Pérusse L, Nadeau A, Bouchard C. Joint Conference of the American Diabetes Association and the North-American Association for the Study of Obesity. "Is the response of plasma glucose and insulin to short-term exercise-training genetically determined?" *International Journal of Obesity* 9:A100, 1985. Toronto, 1985.
- (208) Ama P et al. Colloque Innovations et Connaissances '85 en activité physique. "Le métabolisme du tissu adipeux chez les Africains et des Caucasiens sédentaires". Université Laval, Québec, 1985.
- (209) Després JP et al. Colloque Innovations et Connaissances '85 en activité physique. "Développements récents dans le secteur de l'activité physique et de l'obésité". Université Laval, Québec, 1985.
- (210) Simoneau JA et al. Colloque Innovations et Connaissances '85 en activité physique. "Effets de l'entraînement, du désentraînement et du ré-entraînement sur le muscle squelettique: une comparaison de trois modes d'exercice". Université Laval, Québec, 1985.
- (211) Perusse L et al. Colloque Innovations et Connaissances '85 en activité physique. "Hérédité et environnement dans la condition physique". Université Laval, Québec, 1985.
- (212) Lortie G et al. Colloque Innovations et Connaissances '85 en activité physique. "Les capacités et puissances anaérobies de travail chez des sujets sédentaires et entraînés des deux sexes". Université Laval, Québec, 1985.

- (213) Bouchard C, Pérusse L, Tremblay A, Leblanc C. American Association of Physical Anthropology. Inheritance of body composition and fat distribution. *American Journal of Physical Anthropology* 69:179, 1986. Albuquerque, 1986.
- (214) Tremblay A et al. 54e Congrès de l'ACFAS. "Influence de la suralimentation sur le coût énergétique d'un effort sous-maximal chez des jumeaux monozygotes". Montréal, 1986.
- (215) Pérusse L, Leblanc C, Tremblay A, Bouchard C. 54e Congrès de l'ACFAS. "Hérédité et condition physique". *Annales de l'ACFAS*, 54 :379, 1986. Montréal, 1986.
- (216) Marcotte M et al. 54e Congrès de l'ACFAS. "Les effets du désentraînement sur le muscle squelettique humain suite à trois types d'entraînement". Montréal, 1986.
- (217) Bouchard C et al. American College of Sports Medicine. "Heredity and adaptation of skeletal muscle enzyme activities to training in humans". Indianapolis, 1986.
- (218) Pérusse L, Leblanc C, Thériault G, Tremblay A, Bouchard C. Heredity and physical fitness: contribution of paternal and maternal influences. *Medicine and Science in Sports and Exercise* 18:S51, 1986.
- (219) Thériault G, Diano R, Leblanc C, Pérusse L, Landry F, Bouchard C. American College of Sports Medicine. The role of heredity in cardiac size: an echocardiographic study on twins, brothers and sisters, and sibs by adoption. *Medicine and Science in Sports and Exercise* 18:S51, 1986. Indianapolis, 1986.
- (220) Bouchard C et al. VI International congress on neuromuscular diseases. "Genetic variants in 12 human skeletal muscle enzymes and their relationship with work performances". Los Angeles, 1986.
- (221) Tremblay A et al. VIth International Congress on Obesity. "Heredity and overfeeding-induced changes in exercise VO<sub>2</sub>". Jerusalem, 1986.
- (222) Sjostrom L et al. VIth International Congress on Obesity. "Announcement of the multicenter project "Swedish obese subjects - SOS". Jerusalem, 1986.
- (223) Després JP, Tremblay A, Pérusse L, Leblanc C, Nadeau A, Bouchard C. Canadian Society for Clinical Investigation. Relationship between adipose tissue distribution and blood pressure in men and women. *Clinical and Investigative Medicine* suppl., 9:A43, 1986. Toronto, 1986.
- (224) Boulay MR et al. Canadian Association of Sport Sciences. "Ventilatory and lactate thresholds and adaptation to prolonged exercise". Ottawa, 1986.
- (225) Pérusse L, Leblanc C, Bouchard C. Canadian Association of Sport Sciences. Familial transmission of physical fitness in the Canadian population: results from the Canada Fitness Survey. *Canadian Journal of Sport Sciences* 11:33P, 1986, Ottawa, 1986.
- (226) Marcotte M et al. Canadian Association of Sport Sciences. "Lack of genetic polymorphism in human skeletal muscle enzymes of the tricarboxylic acid cycle". Ottawa, 1986.

- (227) Theriault G, Pérusse L, Leblanc C, Tremblay A, Bouchard C. Canadian Association of Sport Sciences. Heredity and pulmonary functions: a study on twins, brothers and sisters and sibs by adoption. *Canadian Journal of Sport Sciences* 11:44P, 1986. Ottawa, 1986.
- (228) St-Jean L et al. Canadian Association of Sport Sciences. "Effect of exercise-training on resting metabolic rate and dietary thermogenesis in sedentary young male adults". Ottawa, 1986.
- (229) Serresse O et al. Canadian Association of Sport Sciences. "Metabolic characteristics of skeletal muscle in sedentary male Black and Caucasian subjects". Ottawa, 1986.
- (230) Tremblay A et al. Canadian Association of Sport Sciences. "Effects of exercise on the components of energy expenditure". Ottawa, 1986.
- (231) Bouchard C et al. 71st Annual meeting of the Federation of American Societies for Experimental Biology. "Heredity, metabolic rates and adipose tissue metabolism". Washington, DC, 1987.
- (232) Tremblay A et al. 71st Annual meeting of the Federation of American Societies for Experimental Biology. "Effect of exercise-training on resting components of energy expenditure in young sedentary male adults". Washington, DC, 1987.
- (233) Poehlman ET, Tremblay A, Marcotte M, Pérusse L, Thériault G, Bouchard C. 71st Annual meeting of the Federation of American Societies for Experimental Biology. Heredity and changes in body composition and adipose tissue metabolism after short-term exercise training. *Federation Proceedings* 46:751, 1987. Washington, DC, 1987.
- (234) Serresse O et al. American College of Sports Medicine Annual Meeting. "Quantitative estimation of energy systems during maximal work and short duration". Las Vegas, 1987.
- (235) Despres JP et al. International Symposium on Lipoprotein Metabolism. "Heredity and changes in plasma lipids and lipoproteins following short term exercise-training: association with changes in adipose tissue distribution and insulin, Banff, 1987.
- (236) Bouchard C & Perruse L. . Second International Conference on Quantitative Genetics. "A strategy to detect genotype-environment interaction in humans". Raleigh NC, 1987.
- (237) Meyer F et al. Meeting of the Society for Epidemiologic Research. "Dietary determinants of menarche". Amherst, 1987.
- (238) Bouchard C. Fat distribution during growth and later health outcomes Symposium. "Introductory notes on the topic of fat distribution". Lac Beauport, Quebec, 1987.
- (239) Bouchard C. Fat distribution during growth and later health outcomes Symposium. "Inheritance of human fat distribution". Lac Beauport, Quebec, 1987.
- (240) Despres JP et al. Fourth Acta Medica Scandinavica Symposium. "Physical training and changes in regional adipose tissue distribution". Göteborg, Sweden, 1987.
- (241) Bouchard C, Pérusse L, Leblanc C, Tremblay A, Thériault G. Canadian Association of Sport Sciences. Heredity, human body fat and fat distribution. *Canadian Journal of Sport Sciences* 12:4P, 1987. Lake Louise, Alberta, 1987.



- (242) Thériault G, Pérusse L, Leblanc C, Tremblay A, Bouchard C. Canadian Association of Sport Sciences. The role of heredity in pulmonary function. *Canadian Journal of Sport Sciences* 12:24P, 1987. Lake Louise, Alberta, 1987.
- (243) Pérusse L, Roy R, Thériault G, Leblanc C, Bouchard C. Canadian Association of Sport Sciences. Variation in the HLA system and adaptation to exercise-training. *Canadian Journal of Sport Sciences* 12:18P, 1987. Lake Louise, Alberta, 1987.
- (244) Després JP, Tremblay A, Pérusse L, Leblanc C, Bouchard C. North American Association for the Study of Obesity. Abdominal adipose tissue and serum HDL-cholesterol: association independent from obesity and serum triglyceride concentration. *International Journal of Obesity*. 11:427A, 1987. Boston, 1987.
- (245) Ferland M et al. North American Association for the Study of Obesity. "Assessment of adipose tissue distribution by computed tomography in obese women: association with body density and anthropometric measurements". Boston, 1987.
- (246) St-Jean L et al. North American Association for the Study of Obesity. "Effect of aerobic exercise-training on the thermic effect of food, plasma insulin and body fatness in moderately overweight male individuals". Boston, 1987.
- (247) Tremblay A et al. North American Association for the Study of Obesity. "Effect of short-term detraining on resting metabolic rate and glucose-induced thermogenesis in trained individuals". Boston, 1987.
- (248) Pérusse L, Després JP, Tremblay A, Thériault G, Bouchard C. North American Association for the Study of Obesity. Importance of abdominal fat in the contribution of environmental factors to serum lipid variation. *International Journal of Obesity*. 11:438A, 1987. Boston, 1987.
- (249) George VA. North American Association for the Study of Obesity. "Small eaters and large eaters of similar fat-free mass and activity level". Boston, 1987.
- (250) Dionne F et al. Colloque Innovations et Connaissances '87 en activité physique. "La variation dans l'ADN des mitochondries et son potentiel comme marqueur biologique". Université Laval, Québec, 1987.
- (251) Perusse L et al. Colloque Innovations et Connaissances '87 en activité physique. "Rapport entre la variation dans le système HLA et l'adaptation à l'entraînement". Université Laval, Québec, 1987.
- (252) Thériault G et al. Colloque Innovations et Connaissances '87 en activité physique. "The role of heredity in pulmonary functions". Université Laval, Québec, 1987.
- (253) Ferland M et al. XXIX<sup>e</sup> réunion annuelle du Club de recherches cliniques du Québec. "Mesure de la distribution du tissu adipeux par tomographie axiale chez l'humain: associations avec certaines mesures anthropométriques et la densité corporelle". Montebello, Québec, 1987.
- (254) Association Québécoise des Sciences de l'Activité Physique. "Peut-on prédire la réponse à l'entraînement de la puissance aérobie". Université de Montréal, 1988.

- (255) Bouchard C et al. Première réunion de l'Association Québécoise des Sciences de l'Activité Physique. "Effet d'un programme d'entraînement aérobie sur l'insuline plasmatique chez la femme obèse: association avec la distribution du tissu adipeux". Université de Montréal, 1988.
- (256) George VA et al. Association Québécoise des Sciences de l'Activité Physique. "Body composition and energy expenditure characteristics in groups of small eaters and large eaters". Université de Montréal, 1988.
- (257) Perusse L et al. Association Québécoise des Sciences de l'Activité Physique. "Système HLA et adaptation à l'exercice". Université de Montréal, 1988.
- (258) Tremblay A et al. Association Québécoise des Sciences de l'Activité Physique. "L'effet à court terme d'une diète riche en lipides et de l'exercice sur l'apport énergétique". Université de Montréal, 1988.
- (259) Saavedra C et al. Association Québécoise des Sciences de l'Activité Physique. "Performances anaérobies chez des athlètes de nage synchronisée". Université de Montréal, 1988.
- (260) Poehlman E et al. Association Québécoise des Sciences de l'Activité Physique. "Influence de l'entraînement à l'exercice sur le métabolisme de repos". Université de Montréal, 1988.
- (261) Dionne FT et al. Association Québécoise des Sciences de l'Activité Physique. "Polymorphisme de l'ADN mitochondrial et adaptation à une surcharge alimentaire chronique chez des jumeaux monozygotes". Université de Montréal, 1988.
- (262) Bouchard C. Symposium Exercice et Santé. "Le paradigme exercice et santé". Université Laval, Québec, 1988.
- (263) Poehlman E et al. American Society for Clinical Nutrition. "The influence of prior exercise on resting metabolic rate and the thermic effect of caffeine". Washington, DC, 1988.
- (264) Bouchard et al. Federation of American Societies for Experimental Biology. "Role of the genotype in adaptation to long-term overfeeding". Las Vegas, 1988.
- (265) Tremblay A et al. Federation of American Societies for Experimental Biology. "Energy intake and expenditure in lean, ex-obese, and obese individuals". Las Vegas, 1988.
- (266) Despres JP et al. Federation of American Societies for Experimental Biology. "Role of intra-abdominal fat in the association between regional adipose tissue distribution and glucose tolerance in obese women". Las Vegas, 1988.
- (267) Himes JH & Bouchard C. Federation of American Societies for Experimental Biology. "Diagnosing obesity in youth using multiple anthropometric indicators". Las Vegas, 1988.
- (268) Song T et al. American College of Sports Medicine. "Effects of three anaerobic tests on venous blood values". Dallas, 1988.
- (269) Despres JP et al. The International Conference on Exercise, Fitness, and Health. "Effect of exercise-training induced body fat loss on plasma lipoprotein levels". Toronto, 1988.

- (270) Ferland M et al. The International Conference on Exercise, Fitness, and Health. "Effect of a 6-month aerobic exercise-training program on plasma insulin in premenopausal obese women: association with body fat distribution". Toronto, 1988.
- (271) Theriault G et al. The International Conference on Exercise, Fitness, and Health. "Intense exercise-training for obese women can be safe". Toronto, 1988.
- (272) Tremblay A et al. The International Conference on Exercise, Fitness, and Health. "Is submaximal exercise VO<sub>2</sub> associated with overfeeding-induced changes in body fat?". Toronto, 1988.
- (273) Ferland M et al. 31st Annual Meeting of the Canadian Federation of Biological Societies. "Role of carbohydrate metabolism in the association between body fat distribution and plasma lipoprotein in obese women". Université Laval, Québec, 1988.
- (274) George VA et al. 31st Annual Meeting of the Canadian Federation of Biological Societies. "Differences in body composition and energy expenditure variables between small eaters and large eaters". Université Laval, Québec, 1988.
- (275) Plourde G et al. 31st Annual Meeting of the Canadian Federation of Biological Societies. "Short-term effect of a high-fat diet and exercise on energy intake". Université Laval, Québec, 1988.
- (276) Sjostrom L et al. 1st European Congress on Obesity. Swedish Obese Subjects, SOS. An intervention study of obesity. Stockholm, 1988.
- (277) Tremblay A et al. 1st European Congress on Obesity. Evidence that fat intake and lipid oxidation regulate energy intake in humans. Stockholm, 1988.
- (278) Despres JP et al. 1st European Congress on Obesity. Sex-differences in the regulation of body fat mass with exercise-training. Stockholm, 1988.
- (279) Despres JP et al. 1st European Congress on Obesity. Role of intra-abdominal fat in the association between regional adipose tissue distribution and glucose tolerance in obese women. Stockholm, 1988.
- (280) Dionne FT et al. 7th International Biochemistry of Exercise Conference. Mitochondrial DNA polymorphism and adaptation to chronic overfeeding in monozygotic twins. London, Ontario, 1988.
- (281) Song TK et al. 7th International Biochemistry of Exercise Conference. Serum enzymes and electrolytes after three anaerobic tests. London, Ontario, 1988.
- (282) Serresse O et al. 7th International Biochemistry of Exercise Conference. Human muscle metabolism during three anaerobic tests. London, Ontario, 1988.
- (283) Saavedra C et al. Congreso Mundial-AIESEP. Características de la capacidad anaeróbica en deportistas de nado sincronizado. Efectos del entrenamiento. Madrid, 1988.
- (284) Despres JP et al. North American Association for the Study of Obesity. Changes in plasma lipoprotein levels associated with intra-abdominal fat accumulation in obese women. Banff, Alberta, 1988.

- (285) Ferland M et al. North American Association for the Study of Obesity. Effects of plasma triglyceride levels on the composition of plasma lipoproteins in obese women. Banff, Alberta, 1988.
- (286) George VA et al. North American Association for the Study of Obesity. Energy expenditure variables and body composition of young adult males categorized as small eaters or large eaters. Banff, Alberta, 1988.
- (287) Pouliot MC et al. North American Association for the Study of Obesity. Effects of fat distribution measured by computed tomography and of regional variation in fat cell size on plasma lipoprotein levels in non-obese women. Banff, Alberta, 1988.
- (288) Prud'homme D et al. North American Association for the Study of Obesity. Exercise blood pressure in obese women: association with body fat mass and plasma insulin levels. Banff, Alberta, 1988.
- (289) Tremblay A et al. North American Association for the Study of Obesity. Effects of long-term exercise-training with constant energy intake on plasma glucose and insulin. Banff, Alberta, 1988.
- (290) Dionne FT et al. XVI<sup>e</sup> Congrès international de génétique. Mitochondrial restriction fragments and response to chronic overfeeding in monozygotic twins. Ottawa, 1988.
- (291) Ferland M et al. Canadian Society for Clinical Investigation. Role of plasma hepatic triglyceride lipase activity in the association between body fat distribution and plasma HDL-cholesterol in obese women. Ottawa, 1988.
- (292) Despres JP et al. Canadian Society for Clinical Investigation. Adipose tissue distribution and plasma lipoprotein levels in obese women. Ottawa, 1988.
- (293) Després JP et al. Club de recherches cliniques du Québec. Importance du tissu adipeux intra-abdominal dans l'association entre la distribution régionale du tissu adipeux et la tolérance au glucose chez la femme obèse. Pointe-au-Pic, Québec, 1988.
- (294) Ferland M et al. Club de recherches cliniques du Québec. Rôle de la lipase hépatique dans l'association entre la distribution du tissu adipeux et les HDL-cholestérol plasmatiques chez la femme obèse. Pointe-au-Pic, Québec, 1988.
- (295) Pouliot MC et al. Club de recherches cliniques du Québec. Associations entre la distribution du tissu adipeux mesurée par tomographie axiale, la morphologie adipocytaire et les concentrations des lipoprotéines plasmatiques chez la femme non-obèse. Pointe-au-Pic, Québec, 1988.
- (296) Tremblay A et al. Club de recherches cliniques du Québec. Effet d'une perte de poids induite par l'entraînement à l'exercice sur les niveaux d'insuline plasmatique: contribution de la sécrétion et de la clearance d'insuline. Pointe-au-Pic, Quebec, 1988.
- (297) Rice TK, Pérusse L, Bouchard C, Volger G, Rao DC. American Society of Human Genetics. Resolution of genetic and environmental effects on blood pressure using an unusually rich battery of environmental correlates. *American Journal of Human Genetics* 43:A220, 1988. New Orleans, 1988.

- (298) Tremblay A et al. Canadian association of Sport Sciences. Effects of long-term exercise training with constant energy intake on plasma glucose, insulin, C-peptide and glucagon. Sudbury, 1988.
- (299) Tremblay A et al. American Physiological Society. Effect of exercise on the adaptation in energy intake to a high fat diet. Montreal, 1988.
- (300) George VA et al. American Physiological Society. Components of energy expenditure and body composition of males considered to be small eaters or large eaters. Montréal, 1988.
- (301) Després JP et al. Colloque Innovations et Connaissances 88 en Activité Physique. Importance du tissu adipeux intra-abdominal dans l'association entre la distribution régionale du tissu adipeux et la tolérance au glucose chez la femme obèse. Québec, 1988.
- (302) George VA et al. Colloque Innovations et Connaissances 88 en Activité Physique. Composantes de la dépense énergétique et de la composition corporelle d'hommes considérés comme étant des petits ou des gros mangeurs. Québec, 1988.
- (303) Pouliot MC et al. Colloque Innovations et Connaissances 88 en Activité Physique. Associations entre la distribution du tissu adipeux mesurée par tomographie axiale, la morphologie adipocytaire et les concentrations des lipoprotéines plasmatiques chez la femme non-obèse. Québec, 1988.
- (304) Tremblay A et al. Colloque Innovations et Connaissances 88 en Activité Physique. Effets d'une perte de poids induite par l'entraînement à l'exercice sur les niveaux d'insuline plasmatique: contribution de la sécrétion et de la clairance de l'insuline. Québec, 1988.
- (305) Dionne FT et al. Association québécoise des sciences de l'activité physique. Marqueurs génétique de la réponse à l'entraînement: l'ADN mitochondrial. Montréal, 1989.
- (306) Boulay MR et al. Association québécoise des sciences de l'activité physique. Performance anaérobie au cours de la croissance chez les deux sexes. Montréal, 1989.
- (307) Perusse L et al. Association québécoise des sciences de l'activité physique. Est-il possible de prédire les changements d'adiposité induits par l'entraînement à l'exercice? Montréal, 1989.
- (308) Bouchard C et al. Association québécoise des sciences de l'activité physique. Les effets de la suralimentation chez des jumeaux identiques. Montréal, 1989.
- (309) Tremblay A et al. Association québécoise des sciences de l'activité physique. Rôle du déséquilibre entre la mobilisation des lipides et leur oxydation dans les complications métaboliques associées à l'obésité abdominale. Montréal, 1989.
- (310) Tremblay A et al. Association québécoise des sciences de l'activité physique. Le bilan énergétique chez des femmes obèses lors d'un entraînement physique de longue durée. Montréal, 1989.
- (311) George VA et al. Federation of American Societies for Experimental Biology. Energy intake and body composition of small and large eaters. New Orleans, 1989.
- (312) Himes JH et al. Federation of American Societies for Experimental Biology. Disagreement among indicators identifying the obese. New-Orleans, 1989.

- (313) Chagnon M et al. UCLA Symposium on Molecular and Cellular Biology (Obesity: towards a molecular approach). Adipose tissue protein variants, body fat and adaptation to overfeeding. Keystone, 1989.
- (314) Dionne FT et al. UCLA Symposium on Molecular and Cellular Biology (Obesity: towards a molecular approach). Mitochondrial DNA sequence variation and adaptation to chronic overfeeding in monozygotic twins. Keystone, 1989.
- (315) Pouliot MC et al. European Association for the Study of Obesity. Effects of fat distribution measured by computed tomography and of regional variation in fat cell size on plasma lipoprotein levels in lean women. Oxford, 1989.
- (316) Tremblay A et al. European Association for the Study of Obesity. Evidence for an effect of exercise intensity on body fatness and fat distribution. Oxford, 1989.
- (317) Despres JP et al. European Association for the Study of Obesity. Role of plasma hepatic triglyceride lipase activity in the association between body fat distribution and plasma HDL-cholesterol levels in obese women. Oxford, 1989.
- (318) Sjostrom L et al. American Society for Bariatric Surgery. Swedish obese subjects, SOS: an intervention study of obesity. Nashville, 1989.
- (319) Theriault G et al. American College of Sports Medicine. Iron status in a long-term physical training for obese women. Baltimore, 1989.
- (320) Bouchard C, Perusse L, Leblanc C. Sixth International Congress on Twins Studies. Using MZ twins in experimental research to test for the presence of a genotype-environment interaction effect. Rome, 1989.
- (321) Sjostrom L et al. Fourth International Symposium on Obesity Surgery of the Royal Society of Medicine. Swedish obese subjects, SOS: an intervention study of obesity. London (UK), 1989.
- (322) Despres JP et al. North American Association for the Study of Obesity. Effect of weight loss induced by aerobic exercise training on plasma lipoprotein levels in men. Bethesda (MD), 1989.
- (323) Tremblay A et al. North American Association for the Study of Obesity. Effect of exercise training on body fatness in obese women: characteristics of high and low responders. Bethesda (MD), 1989.
- (324) Mauriege P et al. North American Association for the Study of Obesity. Role of adipose tissue metabolism in the association between the regional distribution of body fat and metabolic variables in premenopausal women. Bethesda (MD), 1989.
- (325) Pouliot MC et al. North American Association for the Study of Obesity. Glucose tolerance in premenopausal women: contributions of total adiposity, body fat distribution and fasting plasma free fatty acid levels. Bethesda (MD), 1989.
- (326) Theriault G et al. North American Association for the Study of Obesity. Risks of iron deficiency and anemia in a long-term physical training program for obese sedentary women. Bethesda (MD), 1989.

- (327) Després JP et al. Club de recherches cliniques du Québec. Contributions indépendantes de l'obésité et du tissu adipeux intra-abdominal au risque de maladie cardiovasculaire. Sainte-Adèle, Québec, 1989.
- (328) Prud'homme D et al. Club de recherches cliniques du Québec. Associations entre la tension artérielle d'effort et des facteurs de risque de la maladie cardiovasculaire chez la femme. Sainte-Adèle, Québec, 1989.
- (329) Pouliot MC et al. Club de recherches cliniques du Québec. Tolérance au glucose chez la femme: effets de l'adiposité totale, de la distribution régionale du tissu adipeux et des concentrations d'acides gras libres plasmatiques. Sainte-Adèle, Québec, 1989.
- (330) Mauriege P et al. Club de recherches cliniques du Québec. Rôle de l'activité métabolique du tissu adipeux abdominal dans les changements métaboliques associés à la distribution régionale de la masse adipeuse. Sainte-Adèle, Québec, 1989.
- (331) Bouchard C et al. Canadian Association of Sport Sciences. Genetic markers of the response of  $\text{VO}_2$  max to training. Montréal, 1989.
- (332) Dionne FT et al. Canadian Association of Sport Sciences. Mitochondrial DNA variants and response to endurance training. Montréal, 1989.
- (333) Pouliot MC et al. Canadian Association of Sport Sciences. Effects of six month aerobic exercise training program on plasma lipoprotein levels in obese women. Montréal, 1989.
- (334) Prud'homme D et al. Canadian Association of Sport Sciences. Relationships between body fatness, adipose tissue distribution, plasma insulin levels and exercise blood pressure in obese women. Montréal, 1989.
- (335) Rice TK et al. American Society of Human Genetics. Is there a major gene effect on systolic blood pressure. Baltimore, 1989.
- (336) Bouchard C. Association Québécoise des Sciences de l'Activité Physique. L'état de la recherche en sciences de l'activité physique au Québec. Québec, 1990.
- (337) Tremblay A et al. Association québécoise des sciences de l'activité physique. Influence d'un programme d'entraînement à long terme sur le métabolisme des glucides chez des femmes obèses. Québec, 1990.
- (338) Dionne FT et al. Association Québécoise des Sciences de l'Activité Physique. Polymorphisme du gène de la créatine kinase du muscle et réponse à l'entraînement de la puissance aérobie maximale. Québec, 1990.
- (339) Perusse L et al. Association Québécoise des Sciences de l'Activité Physique. Importance de la condition métabolique dans l'association entre l'activité physique et le risque de maladie coronarienne. Québec, 1990.
- (340) Boulay MR et al. Association Québécoise des Sciences de l'Activité Physique. Effet de la charge de travail sur la contribution des filières énergétiques lors du test de haute intensité de 90s. Québec, 1990.

- (341) Prud'homme D et al. Association Québécoise des Sciences de l'Activité Physique. Reproductibilité de la mesure du débit cardiaque par la méthode du "CO<sub>2</sub> rebreathing". Québec, 1990.
- (342) Despres JP et al. Federation of American Societies for Experimental Biology. Genotype-associated changes in plasma lipoprotein levels following long-term overfeeding in men. Washington, 1990.
- (343) Pouliot MC et al. Federation of American Societies for Experimental Biology. Regional variation in adipose tissue lipoprotein lipase activity: associations with plasma lipoprotein levels in women. Washington, 1990.
- (344) Bouchard C. Association Canadienne Française pour l'Avancement des Sciences. Les objectifs et le contenu du Colloque sur l'activité physique, la condition physique, la morbidité et la mortalité. Québec, 1990.
- (345) Mauriege P et al. Association Canadienne Française pour l'Avancement des Sciences. La réponse lipolytique chez des jumeaux identiques soumis à une suralimentation chronique de longue durée. Québec, 1990.
- (346) Lavalée N et al. Association Canadienne Française pour l'Avancement des Sciences. Effet de l'exercice et de la composition du régime alimentaire sur l'apport énergétique chez l'humain. Québec, 1990.
- (347) Dionne FT et al. American College of Sports Medicine. Muscle creatine kinase: protein and DNA sequence variations and trainability of VO<sub>2</sub> max. Salt Lake City, 1990.
- (348) Song TKM et al. American College of Sports Medicine. Relationship between physical fitness, body composition and lifestyle indicators with hemoglobin (Hb), hematocrit (Ht) and serum ferritin. Salt Lake City, 1990.
- (349) Despres JP et al. American College of Sports Medicine. Metabolic effects of aerobic exercise training-induced loss of abdominal fat in obese women. Salt Lake City, 1990.
- (350) Spiegelman D et al. Society for Epidemiologic Research. Body fat distribution, fat mass, percent body fat: which is the real risk factor for diabetes and hypertension. Utah, 1990.
- (351) Mauriege P et al. Club de Recherches Cliniques du Québec. Différences régionales dans la réponse lipolytique du tissu adipeux humain. Pointe-au-Pic, Québec, 1990.
- (352) Pouliot MC et al. Club de Recherches Cliniques du Québec. Variation régionale dans l'activité de la lipoprotéine lipase du tissu adipeux et concentration plasmatique des lipoprotéines de haute densité chez la femme. Pointe-au-Pic, Québec, 1990.
- (353) Prud'homme D et al. Club de Recherches Cliniques du Québec. Obésité abdominale, insulinémie et tension artérielle de repos chez l'homme. Pointe-au-Pic, Québec, 1990.
- (354) Naslund L et al. The 6th International Congress on Obesity. Symposium on Visceral Fat Obesity: Clinical and Experimental Aspects. Swedish Obese Subjects (SOS), an intervention study of morbid obesity. Pilot study: 300 surgical cases and their controls. Kobe, Japan, 1990.



- (355) Sjostrom L et al. The 6th International Congress on Obesity. Symposium on Visceral Fat Obesity: Clinical and Experimental Aspects. On the self-reported natural history of obesity. Data from the first 1007 subjects examined in Swedish Obese Subjects, SOS. An intervention study of obesity. Kobe, Japan, 1990.
- (356) Sjostrom L et al. The 6th International Congress on Obesity. Symposium on Visceral Fat Obesity: Clinical and Experimental Aspects. A selected description of severely obese patients as compared to randomly selected and general populations. Data from the first 1007 subjects examined in Swedish Obese Subjects, SOS. An intervention study of obesity. Kobe, Japan, 1990.
- (357) Marcotte M et al. Association Québécoise des Sciences de l'Activité Physique. Marqueurs génétiques de la réponse à l'entraînement: la cytochrome oxydase. Trois-Rivières, 1991.
- (358) Prud'homme D et al. Association Québécoise des Sciences de l'Activité Physique. Obésité et tension artérielle de repos chez l'homme. Trois-Rivières, 1991.
- (359) Bouchard C et al. Federation of American Societies for Experimental Biology. Correlates of the fat mass to fat free mass ratio gain in response to overfeeding. Atlanta, 1991.
- (360) Thériault G et al. International Congress on Sports Medicine and Human Performance. Blood and iron parameters and their influence on the aerobic performance of young males during an intense aerobic program. Vancouver, 1991.
- (361) Almeras N et al. 3rd European Congress on Obesity. Nutritional determinants of the increase in energy intake associated with a high fat diet. Nice, 1991.
- (362) Deriaz O et al. 3rd European Congress on Obesity. Relationships between the composition of fat free mass and resting energy expenditure before and during long term overfeeding. Nice, 1991.
- (363) Despres JP et al. 3rd European Congress on Obesity. Contribution of low intensity exercise training to the treatment of abdominal obesity: importance of metabolic fitness. Nice, 1991.
- (364) Despres JP et al. 3rd European Congress on Obesity. Effects of exercise training induced body fat loss on plasma lipoprotein levels in identical twins. Nice, 1991.
- (365) Dionne FT et al. 3rd European Congress on Obesity. Mitochondrial DNA variants in relation to body fat. Nice, 1991.
- (366) Mauriege P et al. 3rd European Congress on Obesity. Regional variation in adipose tissue lipolysis: comparative study in lean and obese men. Nice, 1991.
- (367) Pouliot MC et al. 3rd European Congress on Obesity. Visceral fat accumulation and plasma glucose homeostasis in men. Nice, 1991.
- (368) Prud'homme D et al. 3rd European Congress on Obesity. Exaggerated exercise blood pressure response is related to body fat distribution in men. Nice, 1991.
- (369) Tremblay A et al. 3rd European Congress on Obesity. Effect of long-term overfeeding on energy expenditure in humans. Nice, 1991.

- (370) Simoneau JA et al. Annual meeting of the American College of Sports Medicine. Metabolic plasticity of skeletal muscle in black and white males subjected to high-intensity intermittent training. Orlando, FL, 1991.
- (371) Song TMK et al. Annual meeting of the American College of Sports Medicine. Familial resemblance for somatotype components after adjustment for activity level and dietary intake. Orlando, FL, 1991.
- (372) Mauriege P et al. 61st Annual Meeting of The Royal College of Physicians and Surgeons of Canada. Low femoral adipose tissue lipolysis: a protective mechanism against the metabolic complications of obesity? Ottawa, 1991.
- (373) Pouliot MC et al. 61st Annual Meeting of The Royal College of Physicians and Surgeons of Canada. Body fat distribution measured by computed tomography and plasma lipoprotein levels in men. Ottawa, 1991.
- (374) Johnson D et al. Club de recherches cliniques du Québec. Relations entre les tensions artérielles d'effort et les concentrations des lipoprotéines plasmatiques chez l'homme obèse. Magog, Québec, 1991.
- (375) Prud'homme D et al. Club de recherches cliniques du Québec. Relation entre l'obésité et la réponse tensionnelle exagérée à l'effort maximal chez la femme. Magog, 1991.
- (376) Borecki I et al. 8th International Congress of Human Genetics. First evaluation of major gene hypotheses for primary components of body composition measured using underwater weighing. Washington, D.C., 1991.
- (377) Truchon J et al. 8th international Congress of Human Genetics. Mitochondrial DNA polymorphism in French Canadians. Washington, D.C., 1991.
- (378) Deriaz O et al. NAASO/SSIB Annual Meeting. Potassium intake, body composition and resting metabolic rate in nuclear families. Sacramento, CA, 1991.
- (379) Despres JP et al. NAASO/SSIB Annual Meeting. Abdominal obesity, hyperinsulinemia and related hypertriglyceridemia are important correlates of LDL composition in men. Sacramento, CA, 1991.
- (380) Tremblay A et al. NAASO/SSIB Annual Meeting. Normalization of the metabolic profile in obese women by exercise and a low fat diet. Sacramento, CA, 1991.
- (381) Almeras N et al. Association Québécoise des Sciences de l'Activité Physique. Contrôle de l'apport énergétique : effets de l'exercice et de la composition du régime alimentaire. Université de Montréal, 1992.
- (382) Tremblay A et al. Association Québécoise des Sciences de l'Activité Physique. Est-ce que la perte de poids est un facteur déterminant dans l'amélioration du métabolisme des glucides et des lipides lors d'un entraînement aérobie chez des femmes obèses ? Université de Montréal, 1992.
- (383) Sjostrom L et al. 26th Annual Scientific Meeting of the European Society of Clinical Investigation. Two-year follow up in Swedish Obese Subjects, SOS. An Intervention study of obesity. Vienna, 1992.

- (384) Almeras N et al, FASEB Meeting. Effect of diet composition and exercise on energy and macronutrient intakes. Anaheim, CA, 1992.
- (385) Mauriege P et al. FASEB Meeting. Are there metabolic implications of regional variation in adipose tissue lipolysis in men ? Anaheim, CA, 1992.
- (386) Sjostrom L et al. 4th European Congress on Obesity. Two-year follow up in Swedish Obese Subjects, SOS. An Intervention study of obesity. Amsterdam, 1992.
- (387) Johnson D et al. The 1992 International Conference on Physical Activity, Fitness and Health. Heterogeneous origin of exaggerated exercise blood pressure in resting normotensive men : relation to body fat distribution, hyperinsulinemia, and hyperlipidemia. Toronto, 1992.
- (388) Despres JP et al. Annual Meeting of the American College of Sports Medicine. Evidence for a role of insulin in the regulation of abdominal adipose tissue lipoprotein lipase response to exercise training in obese women. Dallas, 1992.
- (389) Lamarche B et al. Annual Meeting of the American College of Sports Medicine. Is body fat loss a determinant factor in the improvement of carbohydrate and lipid metabolism following aerobic exercise training in obese women? Dallas, 1992.
- (390) Prud'homme D et al. Annual Meeting of the American College of Sports Medicine. Exaggerated blood pressure response during submaximal exercise : an important correlate of cardiovascular disease risk factors in resting normotensive obese women. Dallas, 1992.
- (391) Song TK, Pérusse L, Malina RM, Bouchard C. American College of Sports Medicine. Twin resemblance in somatotype components. *Medicine and Science in Sports and Exercise* 24:S8, 1992. Dallas, 1992.
- (392) Adjoa SA et al. Annual Meeting of the American College of Sports Medicine. Adenylate kinase DNA sequence polymorphism in sedentary and highly trained endurance athletes. Dallas, 1992.
- (393) Deriaz O et al. NAASO Annual Meeting and CME Course of the Emory University School of Medicine. DNA sequence variations at two Na,K ATPase loci and relations with resting metabolic rate. Atlanta, 1992.
- (394) Tremblay A et al. NAASO Annual Meeting and CME Course of the Emory University School of Medicine. Regulation of body weight following long-term overfeeding in humans. Atlanta, 1992.
- (395) Lamarche B et al. 61st Annual Meeting of The Royal College of Physicians and Surgeons of Canada. Metabolic heterogeneity associated with high plasma triglyceride or low HDL-cholesterol levels in men. Ottawa, 1992.
- (396) Lemieux S et al. 61st Annual Meeting of The Royal College of Physicians and Surgeons of Canada. Heterogeneous glycemic and insulinemic responses to oral glucose in non-diabetic men : interactions between duration of obesity, body fat distribution and family history of diabetes. Ottawa, 1992.
- (397) Borecki I et al. American Society of Human Genetics. Major genes for regional fat distribution measures. San Francisco, 1992.

- (398) Bouchard C. et al. American College of Sports Medicine. Exercise, body fat and the metabolic syndrome. Seattle, 1993.
- (399) Song TMK et al. American College of Sports Medicine. Relationship between echocardiographic dimensions and somatotype components in adults. Seattle, 1993.
- (400) Lamarche B et al. American College of Sports Medicine. Hormonal and metabolic responses to prolonged submaximal exercise in lean and obese men. Seattle, 1993.
- (401) Simoneau JA & Bouchard C. 5th European Congress on Obesity. Skeletal muscle metabolism in normal weight and obese men and women. Ulm, Germany, 1993.
- (402) Pérusse L & Bouchard C. 5th European Congress on Obesity. Familial resemblance in changes of body fat: results from an 11-year longitudinal family study. *International Journal of Obesity* 17(supl.2):108, 1993. Ulm, Germany, 1993.
- (403) Oppert JM et al. 5th European Congress on Obesity. DNA variation of the UCP gene and human body fat. Ulm, Germany, 1993.
- (404) Després JP et al. 5th European Congress on Obesity. Waist circumference and abdominal sagittal diameter as indices of abdominal obesity. Ulm, Germany, 1993.
- (405) Lemieux S et al. 5th European Congress on Obesity. Gender differences in the relation of visceral adipose tissue accumulation to total body fatness. Ulm, Germany, 1993.
- (406) Hartman, M.L., Weltman, A., Thorner, M.O., Bouchard, C. and Teates, C.D. XVth International Congress of Gerontology Growth hormone and physical training in older persons., Budapest, Hungary, 1993.
- (407) Pérusse, L., Vohl, M.C., Dionne, F., Dériaz, O., Chagnon, M. and Bouchard, C. American Society of Human Genetics. Linkage between a gene involved in the synthesis of sex steroids and obesity in humans. The American Journal of Human Genetics, 53:842, Suppl, 1993.
- (408) Oppert, J.M., Nadeau, A., Tremblay, A., Després, J.P., Thériault, G., Dériaz, O. and Bouchard, C. NAASO Annual Meeting. Plasma glucose, insulin and glucagon, before and after long-term overfeeding in identical twins. Obesity Research, Vol. 1, suppl. 2, 1993., Milwaukee, 1993.
- (409) Pérusse, L., Vohl, M.C., Dionne, F., Dériaz, O., Chagnon, M. and Bouchard C. NAASO Annual Meeting. Association between DNA variation at the 3B-HSD locus and age-related changes in fat distribution. Obesity Research, Vol. 1, suppl. 2, 1993., Milwaukee, 1993.
- (410) Tremblay, A., Simoneau, J.A. and Bouchard C. NAASO Annual Meeting. Impact of exercise intensity on body fatness and skeletal muscle metabolism. Obesity Research, Vol. 1, suppl. 2, 1993., Milwaukee, 1993.
- (411) Song, TMK, Malina, RM and Bouchard, C. NAASO Annual Meeting. Relationships between somatotype components and cardiovascular risk factors in adults. Obesity Research, Vol. 1, suppl. 2, 1993., Milwaukee, 1993.

- (412) Dériaz, O., Dionne, F.T., Pérusse, L., Tremblay, A., Vohl, M.C., Côté, G. and Bouchard, C. NAASO Annual Meeting. Respiratory quotient and its relationship with DNA variation in the genes of the Na, K-ATPase. Obesity Research, Vol. 1, suppl. 2, 1993., Milwaukee, 1993.
- (413) Couillard, C., Després, J.P., Moorjani, S., Lupien, P.J., Tremblay, A. et Bouchard, C. Club de recherches cliniques du Québec. Évolution de la masse grasse et profil lipidique: étude prospective de 10 ans. (Abstract), Médecine Sciences, Vol. 9, Suppl. 1, 1993.
- (414) Oppert, J.M., Tourville, J., Chagnon, M., Mauriège, P., Dionne, F.T. and Bouchard, C. Adrenoceptor genes and regional fat distribution in humans: an association study. Booklet of Abstracts, Molecular & Genetic Aspects of Obesity Symposium, Pennington Biomedical Research Center, Baton Rouge, Louisiana, February 1994.
- (415) Pérusse, L., Pagé, V., Chagnon, M. and Bouchard, C. Association between acid phosphatase polymorphism and body fat. Booklet of Abstracts, Molecular & Genetic Aspects of Obesity Symposium, Pennington Biomedical Research Center, Baton Rouge, Louisiana, February 1994.
- (416) Hartman, M.L., Weltmen, A., Kanaley, J.A., Clasey, J.L., Teates, C.D., Bouchard, C., Vance, M.L., Thorner, M.O. Effects of growth hormone on body composition. (Abstract). The Endocrine Society, New Orleans, Louisiana, June 1994.
- (417) Oppert, J.M., Tourville, J., Chagnon, M., Mauriège, P., Dionne, F.T., Bouchard, C. Polymorphismes des gènes des récepteurs adrénérgiques (RA) et distribution du tissu adipeux chez l'homme: étude d'association. Abstract. AFERO, Paris, France, Mars 1994.
- (418) Lemieux, S., Nadeau, A., Prud'homme, D., Tremblay, A., Bouchard, C. and Després, J.P. Age-related increase in visceral adipose tissue and glucose tolerance in men and women. The FASEB Journal 8:4, Abstract 921. FASEB Meeting, Anaheim, CA, April 1994.
- (419) Couillard, C., Després, J.P., Lemieux, S., Moorjani, S., Lupien, P.J., Tremblay, A. and Bouchard, C. Associations between 11 year changes in body fatness and serum lipoprotein-lipid levels in men and women. The FASEB Journal 8:4, Abstract 922. FASEB Meeting, Anaheim, CA, April 1994.
- (420) Bouchard, C., Dionne, F.T., Chagnon, M., Moreel, J.F. and Pérusse, L. DNA sequence variation in the lipoprotein lipase (LPL) gene and obesity. The FASEB Journal 8:4, Abstract 923. FASEB Meeting, Anaheim, CA, April 1994.
- (421) Lamarche, B., Després, J.P., Pouliot, M.C., Prud'homme, D., Moorjani, S., Bouchard, C., Nadeau, A., Tremblay, A. and Lupien, P.J. Metabolic heterogeneity underlying elevated plasma LDL-apo B levels: contribution of visceral obesity and insulin resistance. The FASEB Journal 8:4, Abstract 2597. FASEB Meeting, Anaheim, CA, April 1994.
- (422) Vohl, M.C., Pouliot, M.C., Dionne, F.T., Moorjani, S., Prud'homme, D., Bouchard, C., Lupien, P.J. and Després, J.P. Apo B-100 EcorI polymorphism modulates the dyslipidemic state of visceral obesity. The FASEB Journal 8:4, Abstract 3142. FASEB Meeting, Anaheim, CA, April 1994.
- (423) Tremblay, A., Nadeau, A., Després, J.P. and Bouchard, C. Hyperinsulinemia and fat loss after long-term overfeeding. The FASEB Journal 8:5, Abstract 4718. FASEB Meeting, Anaheim, CA, April 1994.

- (424) Alm  ras, N., Lemieux, S., Bouchard, C. and Tremblay, A. Energy balance in female swimmers. The FASEB Journal 8:5, Abstract 4719. FASEB Meeting, Anaheim, CA, April 1994.
- (425) Mauri  ge, P., Marette, A., Atgi  , C., Bouchard, C., Th  riault, G., Bukowiecki, L.J., Biron, S., Nadeau, A. and Despr  s, J.P. Regional variation in adipose tissue lipolysis of severely obese premenopausal women. Abstract. 7th International Congress on Obesity. Satellite Symposia on Surgical Treatment of Obesity. Montr  al, Qu  bec, August 1994.
- (426) P  russe, L., Pag  , V., Chagnon, M., D  riaz, O., Dionne, F.T. and Bouchard, C. Linkage of genes located on chromosomes 1 and 4 with cardiorespiratory and muscular fitness. Medicine & Science in Sports & Exercise. Suppl to Vol. 26, no 5, Abstract 53, May 1994. 40th Anniversary Meeting of the American College of Sports Medicine, Indianapolis, Indiana, June 1994.
- (427) Lamarche, B., Lemieux, S., Nadeau, A., Tremblay, A., Bouchard, C. and Despr  s, J.P. Respective contributions of body fat loss and endurance exercise training on the secretion and hepatic extraction of insulin in obese women. Medicine & Science in Sports & Exercise. Suppl to Vol. 26, no 5, Abstract 326, May 1994. 40th Anniversary Meeting of the American College of Sports Medicine, Indianapolis, Indiana, June 1994.
- (428) Simoneau, J.A., Tremblay, A., Th  riault, G. and Bouchard, C. Relationships between the metabolic profile of human skeletal muscle and body fat gain in response to overfeeding. Medicine & Science in Sports & Exercise. Suppl to Vol. 26, no 5, Abstract 890, May 1994. 40th Anniversary Meeting of the American College of Sports Medicine, Indianapolis, Indiana, June 1994.
- (429) Lemieux, S., Prud'homme, D., Bouchard, C., Tremblay, A. and Despr  s, J.P. Age-related differences in abdominal visceral adipose tissue accumulation in men and women. Medicine & Science in Sports & Exercise. Suppl to Vol. 26, no 5, Abstract 989, May 1994. 40th Anniversary Meeting of the American College of Sports Medicine, Indianapolis, Indiana, June 1994.
- (430) Song, T.M.K., Malina, R.M. and Bouchard, C. Relationship between somatotype and pulmonary function in children, adolescents and young adults. Medicine & Science in Sports & Exercise. Suppl to Vol. 26, no 5, Abstract 1160, May 1994. 40th Anniversary Meeting of the American College of Sports Medicine, Indianapolis, Indiana, June 1994.
- (431) Bouchard, C. Adaptation to exercise: individual differences. Satellite Symposium of the 7th International Congress on Obesity, Quebec City, Canada, August 1994.
- (432) Oppert, J.M., Tourville, J., Chagnon, M., Mauri  ge, P., Dionne, F.T., Pag  , V., P  russe, L. and Bouchard, C. Adrenoceptor genes and regional fat distribution in humans: association and linkage studies. 7th International Congress on Obesity. International Journal of Obesity. Vol. 18, Suppl. 2, Toronto, Ontario, August 1994.
- (433) Sj  str  m, L., Lissner, L., Larsson, B., Backman, L., Bengtsson, C., Bouchard, C., Dahlgren, S., Jonsson, E., Lindstedt, S., Narbro, K., N  slund, I., Olbe, L., Sj  str  m, D., Stenl  f, K., Sullivan, M., and Wedel, H. SOS-Swedish Obese Subjects. An intervention study of obesity. 7th International Congress on Obesity. International Journal of Obesity. Vol. 18, Suppl. 2, Toronto, Ontario, August 1994.

- (434) Pérusse, L. and Bouchard, C. Identification of genes contributing to excess body fat and fat distribution. 7th International Congress on Obesity. International Journal of Obesity. Vol. 18, Suppl. 2, Toronto, Ontario, August 1994.
- (435) Alméras, N., Lavallée, N., Després, J.P., Bouchard, C. and Tremblay, A. Exercise and energy intake: effect of substrate oxidation. 7th International Congress on Obesity. International Journal of Obesity. Vol. 18, Suppl. 2, Toronto, Ontario, August 1994.
- (436) Song, T.M.K., Malina, R.M. and Bouchard, C. Relationships between somatotype and pulmonary functions in adults. 7th International Congress on Obesity. International Journal of Obesity. Vol. 18, Suppl. 2, Toronto, Ontario, August 1994.
- (437) Pérusse, L., Dériaz, O., Dionne, F.T. and Bouchard, C. Association and linkage analyses of the alpha and beta genes of the sodium-potassium ATPase with age-related changes in blood pressure. The American Journal of Human Genetics. Vol. 55, no 3 Suppl., p. A199, September 1994.
- (438) Pérusse, L. and Bouchard, C. Genetic determinants of health-related phenotypes: evidence for a role of genotype-environment interaction. (Abstract 143). American Journal of Human biology, Vol. 6, no 1, 1994.
- (439) Oppert, J.M., Tourville, J., Chagnon, M., Mauriège, P., Dionne, F.T. et Bouchard, C. Polymorphismes des gènes des récepteurs adrénergiques (RA) et distribution du tissu adipeux chez l'homme: étude d'association. (Abstract 49). Cahiers de nutrition et de diététique, Vol. XXIX, 1994.
- (440) Tchernof, A., Moorjani, S., Lamarche, B., Prud'homme, D., Nadeau, A., Tremblay, A., Bouchard, C., Lupien, P.J. and Després, J.P. Isolated hypertriglyceridemia or hypoalphalipoproteinemia is not associated with the dense LDL phenotype in men. The FASEB Journal 9:3, Abstract 1113. FASEB Meeting, Atlanta, GA, April 1995.
- (441) Couillard, C., Lamarche, B., Tchernof, A., Prud'homme, D., Tremblay, A., Bouchard, C., Moorjani, S., Lupien, P.J. and Després, J.P. ApoA-I levels are poor correlated of the insulin resistance dyslipidemic syndrome linked to visceral obesity. The FASEB Journal 9:3, Abstract 1114. FASEB Meeting, Atlanta, GA, April 1995.
- (442) Lesage, M., Lemieux, S., Prud'homme, D., Vohl, M.C., Nadeau, A., Bouchard, C., Moorjani, S., Lupien, P.J. and Després, J.P. Prevalence of cardiovascular disease risk factors in visceral obesity. The FASEB Journal 9:3, Abstract 1625. FASEB Meeting, Atlanta, GA, April 1995.
- (443) Després, J.P., Tchernof, A., Prud'homme, D., Nadeau, A., Moorjani, S., Tremblay, A., Bouchard, C. and Lupien, P.J. The dense LDL phenotype without hyperapo B is not associated with visceral obesity. The FASEB Journal 9:3, Abstract 1626. FASEB Meeting, Atlanta, GA, April 1995.
- (444) Vohl, M.C., Tchernof, A., Moorjani, S., Dionne, F.T., Prud'homme, D., Bouchard, C., Lupien, P.J. and Després, J.P. ApoB-EcorI and LPL-HindIII RFLP(s) and the dense LDL phenotype in visceral obesity. The FASEB Journal 9:3, Abstract 1627. FASEB Meeting, Atlanta, GA, April 1995.
- (445) Bouchard, G., White, M.D., Buemann, B., Alméras, N., Després, J.P., Bouchard, C. and Tremblay, A. The validity of 24-h  $\dot{V}O_2$  and  $\dot{V}CO_2$  measurements with a whole body indirect calorimeter. The FASEB Journal 9:3, Abstract 2671. FASEB Meeting, Atlanta, GA, April 1995.

- (446) White, M.D., Bouchard, G., Buemann, B., Alméras, N., Després, J.P., Bouchard, C. and Tremblay, A. Reproducibility of 24-h energy expenditure, respiratory quotient and substrate oxidation. The FASEB Journal 9:3, Abstract 2673. FASEB Meeting, Atlanta, GA, April 1995.
- (447) Clasey, J.L., Kanaley, J.A., Harman, M.L., Teates, C.D. and Bouchard, C. Scan mode influences bone and body composition measures by dual energy X-ray absorptiometry. Medicine & Science in Sports & Exercise. Suppl. to Vol. 27, no 5, Abstract 197, May 1995. ACSM Annual Meeting, Minneapolis, MN, May 1995.
- (448) Pérusse, L., Lortie, G., Thériault, G. and Bouchard C. Evidence of linkage between cardiac dimensions and genes located on chromosome 1. Medicine & Science in Sports & Exercise. Suppl. to Vol. 27, no 5, Abstract 236, May 1995. ACSM Annual Meeting, Minneapolis, MN, May 1995.
- (449) Simoneau, J.A., Gagnon, J., Thériault, G., Leon, A.S., Rao, D.C., Skinner, J.S., Wilmore, J.H. and Bouchard C. Response of skeletal muscle enzyme activities to endurance training: variation within and between families. Medicine & Science in Sports & Exercise. Suppl. to Vol. 27, no 5, Abstract 543, May 1995. ACSM Annual Meeting, Minneapolis, MN, May 1995.
- (450) Song, T.M.K., Malina, R.M. and Bouchard, C. Fatness and relative fat distribution of youth with high and low physical work capacity (PWC<sub>150</sub>). Medicine & Science in Sports & Exercise. Suppl. to Vol. 27, no 5, Abstract 785, May 1995. ACSM Annual Meeting, Minneapolis, MN, May 1995.
- (451) Ye, P., Pérusse, L., Simoneau, J.A., Boulay, M.R., Lortie, G. and Bouchard C. Association and linkage between maximal 10-s power output and several genetic markers. Medicine & Science in Sports & Exercise. Suppl. to Vol. 27, no 5, Abstract 1000, May 1995. ACSM Annual Meeting, Minneapolis, MN, May 1995.
- (452) Lévesque, M., Boulay, M.R., Bouchard, C. and Simoneau, J.A. Training induced-changes in maximal exercises of short duration in men and women. Medicine & Science in Sports & Exercise. Suppl. to Vol. 27, no 5, Abstract 1127, May 1995. ACSM Annual Meeting, Minneapolis, MN, May 1995.
- (453) Rauramaa, R., Väisänen, S., Rankinen, T., Gagnon, J. and Bouchard C. Relation of cardiorespiratory fitness to plasma fibrinogen level with special reference to genetic variation at  $\alpha$ - and  $\beta$ -fibrinogen loci. Medicine & Science in Sports & Exercise. Suppl. to Vol. 27, no 5, Abstract 1258, May 1995. ACSM Annual Meeting, Minneapolis, MN, May 1995.
- (454) Lemieux, S., Prud'homme, D., Bouchard, C., Tremblay, A. and Després, J.P. A single threshold value of waist girth to identify non-obese and obese subjects with excess visceral adipose tissue. International Journal of Obesity. 19: Suppl. 2, 24, 1995. 6th European Congress on Obesity, Copenhagen, Denmark, June 1995.
- (455) Alméras, N., Lemieux, S., Després, J.P., Bouchard, C. and Tremblay, A. Aerobic exercise and fat balance. International Journal of Obesity. 19: Suppl. 2, 39, 1995. 6th European Congress on Obesity, Copenhagen, Denmark, June 1995.
- (456) Buemann, B., Tremblay, A. and Bouchard, C. Dietary protein content is a significant predictor of adiposity. A possible interaction with social class. International Journal of Obesity. 19: Suppl. 2, 35, 1995. 6th European Congress on Obesity, Copenhagen, Denmark, June 1995.



- (457) Vohl, M.C., Tchernof, A., Dionne, F.T., Moorjani, S., Prud'homme, D., Bouchard, C., Nadeau, A., Lupien, P.J. and Després, J.P. Apo B-100 ecori polymorphism, free fatty acid and insulin levels and susceptibility to dense LDL in men. International Journal of Obesity. 19: Suppl. 2, 59, 1995. 6th European Congress on Obesity, Copenhagen, Denmark, June 1995.
- (458) Tremblay, A., Buemann, B., Thériault, G. and Bouchard, C. Body fatness in active individuals reporting low lipid and alcohol intake. International Journal of Obesity. 19: Suppl. 2, 177, 1995. 6th European Congress on Obesity, Copenhagen, Denmark, June 1995.
- (459) Lesage, M., Lemieux, S., Prud'homme, D., Nadeau, A., Bouchard, C., Tremblay, A. and Després, J.P. Comparison of one vs two CT scan approaches for the assessment of risk related to visceral obesity. International Journal of Obesity. 19: Suppl. 2, 189, 1995. 6th European Congress on Obesity, Copenhagen, Denmark, June 1995.
- (460) Tchernof, A., Moorjani, S., Prud'homme, D., Nadeau, A., Tremblay, A., Bouchard, C., Lupien, P.J. and Després, J.P. The dense LDL phenotype is not associated with visceral obesity in the absence of elevated LDL-apolipoprotein B levels. International Journal of Obesity. 19: Suppl. 2, 281, 1995. 6th European Congress on Obesity, Copenhagen, Denmark, June 1995.
- (461) Couillard, C., Lemieux, S., Prud'homme, D., Moorjani, S., Lupien, P.J., Bouchard, C., Tremblay, A., Nadeau, A. and Després, J.P. Seven year changes in waist girth and visceral adipose tissue in women: associations with plasma lipoprotein levels. International Journal of Obesity. 19: Suppl. 2, 285, 1995. 6th European Congress on Obesity, Copenhagen, Denmark, June 1995.
- (462) Gagnon, J., Roy, S., Pérusse, L., Chagnon, Y. and Bouchard, C. Club de Recherches Cliniques du Québec. Une mutation dans la partie codante du gène du récepteur Beta-3 adrénergique n'a pas de conséquence sur l'accumulation de la graisse corporelle et sa distribution chez l'humain. Médecine Sciences, Suppl. no 2, Vol. 11, 1995.
- (463) Bouchard, C. and Pérusse, L. Genetics of human obesity: current status of the gene map. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (464) Tchernof, A., Labrie, F., Bélanger, A., Prud'homme, D., Bouchard, C., Tremblay, A., Nadeau, A., Moorjani, S., Lupien, P.J. and Després, J.P. Steroid glucuronide conjugates as correlates of visceral obesity in men. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (465) Mauriège, P., Marette, A., Atgié, C., Bouchard, C., Thériault, G., Bukowiecki, L., Marceau, P., Biron, S., Nadeau, A. and Després, J.P. Alterations in adipose tissue metabolism of morbidly obese women. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (466) Marette, A., Mauriège, P., Atgié, C., Bouchard, C., Thériault, G., Bukowiecki, L., Marceau, P., Biron, S., Nadeau, A. and Després, J.P. Regional variation in adipose tissue insulin action and Glut4 expression in morbidly obese women. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (467) Côté, G., Tremblay, A., Dionne, F.T. and Bouchard, C. DNA sequence variation at the NPY and NPY Y1 receptor loci and human food intake. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.

- (468) Pérusse, L., Després, J.P., Lemieux, S., Rice, T., Rao, D.C. and Bouchard, C. Familial resemblance in abdominal visceral fat assessed by computed tomography. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (469) Lemieux, S., Prud'homme, D., Nadeau, A., Tremblay, A., Bouchard, C. and Després, J.P. Seven year changes in visceral adipose tissue accumulation in women: associations with anthropometric variables and indices of plasma glucose-insulin homeostasis. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (470) St-Amand, J., Dionne, F.T., Bouchard, C., Tremblay, A., Moorjani, S. and Després, J.P. Apo B gene Eco RI polymorphism and 12-yr changes in body fatness and plasma lipoprotein levels: the Québec Family Study. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (471) Couillard, C., Lemieux, S., Prud'homme, D., Tremblay, A., Mauriège, P., Bouchard, C., Moorjani, S., Lupien, P.J. and Després, J.P. Associations between fasting plasma triglyceride levels and postprandial insulin response in men. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (472) Vohl, M.C., Moorjani, D., Prud'homme, D., Nadeau, A., Tremblay, A., Lupien, P.J., Bouchard, C. and Després, J.P. Relationship between the apolipoprotein A-II gene MSPI polymorphism and lipoprotein levels in visceral obesity. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (473) Dionne, F.T., Chagnon, M., Pérusse, L. and Bouchard, C. LPL gene polymorphism and body fat indicators: association and linkage analyses. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (474) White, M.D., Tremblay, A., Thériault, G., Simoneau, J.A. and Bouchard, C. Adiposity, dietary lipid intake and skeletal muscle oxidative capacity. Obesity Research, Vol. 3, suppl. 3, 1995. NAASO Annual Meeting. Baton Rouge, LA, October 1995.
- (475) St-Amand, J., Després, J.P., Dionne, F.T., Moorjani, S., Prud'homme, D., Lupien, P.J. and Bouchard, C. Physical fitness has more favorable effects on plasma lipoprotein levels in men carrying the R1 allele of the apolipoprotein B-Eco RI polymorphism. Annual Conference of the Canadian Society of Exercise Physiology. Québec, October 1995.
- (476) Adjoa, S.A., Dionne, F.T., Coetzer, P., Noakes, T., Boulay, M.R., Skinner, J. and Bouchard, C. Subunit Va of cytochrome C oxidase (COXVa), PFK, and mitochondrial (mt) DNA sequence polymorphism in sedentary and endurance athletes. Annual Conference of the Canadian Society of Exercise Physiology. Québec, October 1995.
- (477) Blair, S.N., Bouchard, C., Gyrfas, I., Hollmann, W., Iwane, H., Knuttgen, H.G., Luschen, G., Mester, J., Morris, J.N., Paffenbarger, R.S., Renström, P., Sonnenschein, W. and Vuori, I. Exercise for health. WHO/FIMS Committee on Physical Activity for Health. Bulletin of the World Health Organization, 73: 135-136, 1995.
- (478) Oppert, J.M., Nadeau, A., Tremblay, A., Després, J.P., Thériault, G. and Bouchard, C. Variations de l'insulinémie et de la masse grasse lors d'un bilan énergétique négatif prolongé chez les jumeaux identiques. A.F.E.R.O. 13e Conférence Annuelle sur l'Obésité, Paris, France, Janvier 1996.

- (479) Malina, R.M., Katzmarzyk, P.T., Song, T.M.K. and Bouchard, C. A multivariate analysis of physical activity and fitness in school-aged children and adolescents. American Journal of Human Biology, Abstract 137, Vol. 8, No 1, 1996. 21st Annual Meeting of the Human Biology Association, Durham, NC, April 1996.
- (480) White, M.D., Bouchard, G., Buemann, B., Alm  ras, N., Despr  s, J.P., Bouchard, C. and Tremblay, A. 24-h energy and macronutrient balances without control of preceding diet and activity levels. The FASEB Journal 10:3, Abstract 3232. FASEB Meeting, Washington, DC, April 1996.
- (481) Vohl, M.C., Lamarche, B., Moorjani, S., Prud'homme, D., Bouchard, C., Nadeau, A., Lupien, P.J. and Despr  s, J.P. The TaqI B polymorphism of the CETP gene: a modulator of HDL-cholesterol levels in visceral obesity. The FASEB Journal 10:3, Abstract 4316. FASEB Meeting, Washington, DC, April 1996.
- (482) Katzmarzyk, P.T., Malina, R.M., Song, T.M.K. and Bouchard, C. Television viewing, physical activity and fitness in youth. Medicine & Science in Sports & Exercise. Suppl. to Vol. 28, no 5, Abstract 239, May 1996. ACSM Annual Meeting, Cincinnati, Ohio, May 1996.
- (483) Wolfarth, B., Ye, P., Simoneau, J.A., Boulay, M.R., Dionne, F.T., Gagnon, J., Chagnon, M., P  russe, L., Keul, J. and Bouchard, C. DNA variants in the tumor necrosis factor alpha (TNFA) and heat shock protein 70 (HSPA1) genes in endurance athletes. Medicine & Science in Sports & Exercise. Suppl. to Vol. 28, no 5, Abstract 335, May 1996. ACSM Annual Meeting, Cincinnati, Ohio, May 1996.
- (484) Simoneau, J.A., L  vesque, M., Th  riault, G. and Bouchard, C. Aerobic-oxidative profile of skeletal muscle contributes to differences in body fat gain over 13 years in human. Medicine & Science in Sports & Exercise. Suppl. to Vol. 28, no 5, Abstract 374, May 1996. ACSM Annual Meeting, Cincinnati, Ohio, May 1996.
- (485) V  is  nen, S., Penttil  , I., Baumstark, M.W., Berg, A., Rankinen, T., Bouchard, C. and Rauramaa, R. Fibrinolytic factors associate with maximal oxygen uptake and HDL subfractions in men. Medicine & Science in Sports & Exercise. Suppl. to Vol. 28, no 5, Abstract 547, May 1996. ACSM Annual Meeting, Cincinnati, Ohio, May 1996.
- (486) Ye, P., Dionne, F.T., Chagnon, M., P  russe, L. and Bouchard, C. Association between human tumor necrosis factor alpha (TNFA) gene polymorphism and submaximal power output in the Qu  bec Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 28, no 5, Abstract 604, May 1996. ACSM Annual Meeting, Cincinnati, Ohio, May 1996.
- (487) Prud'homme, D., P  russe, L. and Bouchard, C. Time course of the response of  $\dot{V}O_{2\max}$  to endurance training is genotype dependent. Medicine & Science in Sports & Exercise. Suppl. to Vol. 28, no 5, Abstract 719, May 1996. ACSM Annual Meeting, Cincinnati, Ohio, May 1996.
- (488) Rauramaa, R., V  is  nen, S., Gagnon, J., Nissinen, A., Penttil  , I., Rankinen, T., Saarikoski, S., Tuomilehto, J. and Bouchard, C. Physical activity, fibrinogen plasma level and gene polymorphisms in postmenopausal women. Medicine & Science in Sports & Exercise. Suppl. to Vol. 28, no 5, Abstract 1102, May 1996. ACSM Annual Meeting, Cincinnati, Ohio, May 1996.
- (489) Rivera, M.A., Dionne, F.T., Gagnon, J., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. BamH1 polymorphism in mitochondrial DNA (mtDNA) and aerobic performance

- in the Heritage Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 28, no 5, Abstract 1104, May 1996. ACSM Annual Meeting, Cincinnati, Ohio, May 1996.
- (490) Barbeau, P., Gagnon, J., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C., Dionne, F.T. and Bouchard, C. XbaI erythropoietin gene polymorphism and aerobic response to training in the Heritage Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 28, no 5, Abstract 1105, May 1996. ACSM Annual Meeting, Cincinnati, Ohio, May 1996.
  - (491) Clasey, J.L., Bouchard, C., Wideman, L., Kanaley, J.A., Teates, C.D., Thorner, M.O., Hartman, M.L. and Weltman, A. Effects of method, age and gender on the assessment of intra-abdominal visceral fat by computed tomography. Medicine & Science in Sports & Exercise. Suppl. to Vol. 28, no 5, Abstract 1159, May 1996. ACSM Annual Meeting, Cincinnati, Ohio, May 1996.
  - (492) Buemann, B., Vohl, M.C., Chagnon, M., Chagnon, Y., Gagnon, J., Périus, L., Dionne, F.T., Després, J.P., Tremblay, A., Nadeau, A. and Bouchard C. Abdominal visceral fat is associated with a BCLII restriction fragment length polymorphism at the glucocorticoid receptor gene locus. International journal of Obesity. Vol. 20, Suppl. 4, May 1996. 7th European Congress on Obesity, Barcelona, May 1996.
  - (493) Rivera, M.A., Wolfarth, B., Dionne, F.T., Boulay, M.R., Simoneau, J.A., Périus, L., Gagnon, J., Song, T.M.K., Keul, J. and Bouchard, C. Muscle-specific creatine kinase gene polymorphisms in male elite endurance athletes and controls. International 14th Puijo Symposium "Physical Activity, Diet and Cardiovascular Diseases - A Fresh Look Beyond Old facts". Kuopio University Publications D. Medical Sciences 101 Kuopio, Finland, June 1996.
  - (494) Rice, T., Tremblay, A., Dériaz, O., Périus, L., Rao, D.C. and Bouchard, C. An oligogenic model for resting metabolic rate. 5th Annual Meeting of the International Genetic Epidemiology Society. Rio de Janeiro, Brazil, August 1996.
  - (495) Hartman, M.L., Clasey, J.L., Weltman, J.Y., Wideman, L., Kanaley, J.A., Freund, S.B., Teates, C.D., Bouchard, C., Thorner, M.O. and Weltman, A. Fitness is related to 24-h GH release in older men but not women. Second Growth Hormone Research Society Meeting, London, England, November 1996.
  - (496) Chagnon, Y.C., Lago, F.L., Périus, L., Lacaille, M., Chagnon, M., Dionne, F.T. and Bouchard, C. Suggestive linkages between obesity phenotypes and human chromosomal regions 1p32-p22 and 3p22-q21 syntenic to mouse QTL dietary obesity 1 and 2. Obesity Research, Vol. 4, suppl. 1, October 1996. NAASO Annual Meeting. Denver, CO, October 1996.
  - (497) Gagnon, J., Mauriège, P., Roy, S., Sjöström, D., Chagnon, Y.C., Dionne, F.T., Oppert, J.M., Périus, L., Sjöström, L. and Bouchard, C. The trp64arg mutation of the  $\beta$ 3-adrenergic receptor gene has no effect on obesity phenotypes in the Québec Family Study and Swedish Obese Subjects cohorts. Obesity Research, Vol. 4, suppl. 1, October 1996. NAASO Annual Meeting. Denver, CO, October 1996.
  - (498) Périus, L., Collier, G., Gagnon, J., Leon, A.S., Rao, D.C., Skinner, J.S., Wilmore, J.H., Zimmet, P.Z. and Bouchard, C. Acute and chronic effects of exercise on leptin levels in human. Obesity Research, Vol. 4, suppl. 1, October 1996. NAASO Annual Meeting. Denver, CO, October 1996.
  - (499) Chagnon, Y.C., Périus, L., Lacaille, M., Dionne, F.T. and Bouchard, C. Suggestive linkage between obesity phenotypes and a microsatellite marker within the gene encoding intestinal fatty

- acid binding protein 2. Obesity Research, Vol. 4, suppl. 1, October 1996. NAASO Annual Meeting. Denver, CO, October 1996.
- (500) Dionne, F.T., Campfield, L.A., Tenenbaum, R., Tremblay, A., Nadeau, A. and Bouchard, C. Serum leptin and its response to positive and negative energy balance in identical twins. The FASEB Journal 11:3, Abstract 1332, p. A229. FASEB Meeting, New Orleans, LA, April 1997.
  - (501) Tremblay, A., Poehlman, E.T., Després, J.P., Thériault, G., Danforth, E. and Bouchard, C. Endurance training with constant energy intake in identical twins: changes over time in energy expenditure and related hormones. The FASEB Journal 11:3, Abstract 2560, p. A442. FASEB Meeting, New Orleans, LA, April 1997.
  - (502) Grinker, J.A., Pérusse, L., Rice, T., Rao, D.C. and Bouchard, C. Familial aggregation for 12-yr changes in body composition: results from the Quebec Family Study. The FASEB Journal 11:3, Abstract 3766, p. A653. FASEB Meeting, New Orleans, LA, April 1997.
  - (503) Pérusse, L., Rice, T., Després, J.P., Rao, D.C. and Bouchard, C. Investigation of the familial resemblance between body fat and blood lipids. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 33, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
  - (504) Rankinen, T., Suomela-Markkanen, T., Väisänen, S., Helminen, A., Penttilä, I., Bouchard, C. and Rauramaa, R. Relationship between the changes in physical activity and plasma insulin during a 2.5-year follow-up. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 181, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
  - (505) Wolfarth, B., Simoneau, J.A., Jakob, E., Boulay, M.R., Chagnon, Y.C., Pérusse, L., Dionne, F.T., Gagnon, J., Keul, J. and Bouchard C. Association between a tetranucleotide (GGAA)<sub>n</sub> repeat in the erythropoietin receptor gene and endurance performance. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 296, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
  - (506) Dumont, M., Prud'homme, D., Lesage, M., Bouchard, C., Tremblay, A., Thériault, G. and Després, J.P. Effect of endurance exercise training on skeletal muscle fat content assessed by CT in obese women. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 343, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
  - (507) Bar-Or, O., Foreyt, J. Bouchard, C., Dietz, W. and Schwenger, S. Physical activity, genetic and nutritional considerations in childhood weight management: an ACSM Roundtable. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 426, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
  - (508) Brochu, M., Dumont, M., Lesage, M., Prud'homme, D., Bouchard, C., Tremblay, A., Thériault, G. and Després, J.P. Skeletal muscle fat content assessed by CT: association with the insulin resistance syndrome in women. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 515, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
  - (509) Rauramaa, R., Väisänen, S., Rankinen, T., Hakulinen, P., Ryyänen, M., Suomela-Markkanen, T. and Bouchard, C. Cardiorespiratory fitness and serum triglycerides in relation to Apo E genotype: The DNASCO Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 522, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.

- (510) Suomela-Markkanen, T., Huuskonen, J., Rankinen, T., Väisänen, S., Kroger, H., Alhava, E., Bouchard, C. and Rauramaa, R. Relation of isometric strength to bone mineral density in middle-aged men: The DNASCO Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 577, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
- (511) Bouchard, C., Leon, A.S., Rao, D.C., Skinner, J.S., Wilmore, J.H. and Gagnon, J. Genetics and response to exercise: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 864, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
- (512) Katzmarzyk, P.T., Malina, R.M., Song, T.M.K. and Bouchard, C. Physique and indicators of metabolic fitness in youth 9-18 years. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 989, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
- (513) Skinner, J.S., Jaskólski, A., Jaskólska, A., Gagnon, J., Leon, A.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. Endurance training and perceived exertion (RPE). Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 1217, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
- (514) Gagnon, J., Ho-Kim, M.A., Chagnon, Y.C., Pérusse, L., Dionne, F.T., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. Absence of linkage between the training response of VO<sub>2</sub>max and chromosome 22 markers. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 1301, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
- (515) Rivera, M.A., Dionne, F.T., Simoneau, J.A., Pérusse, L., Gagnon, J., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. Muscle-specific creatine kinase gene polymorphism and V<sub>O</sub><sub>2</sub>max trainability in the HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 1319, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
- (516) Clasey, J.L., Bouchard, C., Teates, C.D., Thorner, M.O., Riblett, J.E., Hartman, M.L. and Weltman A. Estimation of abdominal visceral fat (AVF) in men and women. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 1378, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
- (517) Walker, A.J., Myers, M.J., Gagnon, J., Cheng, H., Province, M., Bouchard, C., Rao, D.C., Skinner, J.S., Wilmore, J.H. and Leon, A.S. Utility of the Minnesota eating pattern assessment tool in tracking dietary lipid intake during exercise training. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 1665, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
- (518) Väisänen, S., Hietanen, K., Rankinen, T., Suomela-Markkanen, T., Penttilä, I., Baumstark, M.W., Berg, A., Bouchard, C. and Rauramaa, R. An inverse association between regular physical activity and plasma malondialdehyde. Medicine & Science in Sports & Exercise. Suppl. to Vol. 29, no 5, Abstract 1698, May 1997. ACSM Annual Meeting, Denver, Colorado, May 1997.
- (519) Pascot, A., Prud'homme, D., Tremblay, A., Bouchard, C., Nadeau, A., Couillard, C., Bergeron, J. and Després, J.P. Impact of the age-related increase in visceral adipose tissue on the cardiovascular disease (CVD) risk profile of premenopausal women. The Canadian Journal of Cardiology. Vol. 13, Suppl. B, Abstract 0991, June 1997. The 4th International Conference on Preventive Cardiology, Montréal, June 29 - July 3 1997.

- (520) Rankinen, T., Hietanen, E., Väisänen, S., Suomela-Markkanen, T., Pettilä, I., Bouchard, C. and Rauramaa, R. Relationship between oxidative stress and plasma fibrinogen. The Canadian Journal of Cardiology. Vol. 13, Suppl. B, Abstract 1115, June 1997. The 4th International Conference on Preventive Cardiology, Montréal, June 29 - July 3, 1997.
- (521) Bouchard, C. and Blair, S. Debate: Is obesity an overestimated and physical inactivity an underestimated health risk? Second Annual Congress of the European College of Sport Science. Copenhagen, August 20-23, 1997.
- (522) Dionne, I., St-Pierre, S., Ravussin, E., Bouchard, C. and Tremblay, A. The Trp64Arg mutation does not affect daily energy expenditure in healthy subjects. 37th Annual Meeting of The American Society for Clinical Nutrition. Montréal, July 24-26, 1997.
- (523) Grinker, J.A., Pérusse, L., Tremblay, A. and Bouchard, C. Familial aggregation for changes in food and alcohol intake over a 12yr follow-up period. 37th Annual Meeting of The American Society for Clinical Nutrition. Montréal, July 24-26, 1997.
- (524) Doucet, E., Alméras, N., White, M.D., Després, J.P., Bouchard, C. and Tremblay, A. Dietary fat composition and human adiposity. 37th Annual Meeting of The American Society for Clinical Nutrition. Montréal, July 24-26, 1997.
- (525) Wolfarth, B., Plarr, K., Simoneau, J.A., Boulay, M.R., Jakob, E., Dionne, F.T., Gagnon, J., Pérusse, L., Keul, J. and Bouchard, C. Apolipoprotein E (APOE) genotyping in elite endurance athletes (EEA) and sedentary controls (SC). International Journal of Sports Medicine. Vol. 19, Suppl 1, S38, March 1998. 35th German Congress of Sports Medicine, Tübingen, Germany, September 25-27, 1997.
- (526) Couillard, C., Bergeron, N., Prud'homme, D., Bergeron, J., Tremblay, A., Bouchard, C., Mauriège, P. and Després, J.P. Postprandial triglyceride response in visceral obesity in men. Obesity Research, Vol. 5, suppl. 1, November 1997. NAASO Annual Meeting, Cancun, Mexico, November 1997.
- (527) Pérusse, L., Wevrick, R., Chagnon, Y.C., Chagnon, M., Roy, S., Sjöström, L. and Bouchard, C. Lack of association between candidate genes for the Prader-Willi syndrome and obesity in the general population. Obesity Research, Vol. 5, suppl. 1, November 1997. NAASO Annual Meeting, Cancun, Mexico, November 1997.
- (528) Lemieux, I., Pascot, A., Tchernof, A., Bergeron, J., Prud'homme, D., Bouchard, C. and Després, J.P. Visceral adipose tissue and low-density lipoprotein (LDL) particle size in middle-aged vs young men. Obesity Research, Vol. 5, suppl. 1, November 1997. NAASO Annual Meeting, Cancun, Mexico, November 1997.
- (529) Tremblay, A., Drapeau, V., Doucet, E., Alméras, N., Després, J.P. and Bouchard, C. Fat balance and aging: results from the Québec Family Study. The FASEB Journal 12:5, Abstract 5586. Experimental Biology 98, San Francisco, CA, April 1998.
- (530) Leon, A.S., Schmitz, M.K.H., Walker, A.J., Després, J.P., Rao, D.C., Skinner, J.S., Wilmore, J.H., Gagnon, J. and Bouchard, C. Response of blood lipids to aerobic exercise training - The HERITAGE Family Study. Journal of the American College of Cardiology, 31:5, Abstract 395, April 1998. XIIIth World Congress of Cardiology, Rio de Janeiro, Brazil, April 1998.

- (531) Garenc, C., Gagnon, J., Périusse, L., Chagnon, Y.C., Després, J.P., Bergeron, J., Leon, A.S., Rao, D.C., Skinner, J.S., Wilmore, J.H. et Bouchard, C. Association entre la mutation Ser447Ter du gène de la lipoprotéine lipase et les triglycérides, les HDL-cholestérol et l'adiposité corporelle: l'étude des familles d'HÉRITAGE. 66e Congrès de l'ACFAS, Université Laval, Québec, 11 au 15 mai 1998.
- (532) Côté, G., Dionne, F.T., Périusse, L., Thériault, G. et Bouchard, C. Les gènes du neuropeptide Y et de son récepteur de type I comme déterminants de la tension artérielle chez l'humain. 66e Congrès de l'ACFAS, Université Laval, Québec, 11 au 15 mai 1998.
- (533) Bouchard, C. Progrès récents dans l'identification des bases génétiques et moléculaires de l'obésité. 66e Congrès de l'ACFAS, Université Laval, Québec, 11 au 15 mai 1998.
- (534) Rivera, M., Périusse, L., Gagnon, J., Simoneau, J.A., Dionne, F.T., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. Linkage between a muscle-specific creatine kinase gene polymorphism and V; $\dot{O}_2$ max trainability in the HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 37, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (535) Sun, G., Gagnon, J., Chagnon, Y.C., Périusse, L., Leon, A.S., Rao, D.C., Skinner, J.S., Wilmore, J.H. and Bouchard, C. Association and linkage studies between the IGF-1 gene and body composition: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 38, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (536) Garenc, C., Gagnon, J., Périusse, L., Chagnon, Y.C., Després, J.P., Bergeron, J., Leon, A.S., Rao, D.C., Skinner, J.S., Wilmore, J.H. and Bouchard, C. Linkage and association studies of the lipoprotein lipase Ser447Ter mutation: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 39, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (537) Wolfarth, B., Plarr, K., Simoneau, J.A., Boulay, M.R., Dionne, F.T., Gagnon, J., Chagnon, Y., Périusse, L., Keul, J. and Bouchard, C. Comparison of DNA variants in three genes of lipid metabolism in endurance athletes and controls. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 40, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (538) Lussier-Cacan, S., Gagnon, J., Leon, A.S., Rao, D.C., Skinner, J.S., Wilmore, J.H., Bouchard, C. and Davignon, J. Effects of exercise training on plasma total homocysteine and glutathione levels: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 41, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (539) Rankinen, T., Périusse, L., Dériaz, O., Thériault, G., Chagnon, M., Nadeau, A. and Bouchard, C. Linkage between hemodynamic phenotypes and Na,K-ATPase genes: The Quebec Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 42, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (540) Walker, A.J., Leon, A.S., Després, J.P., Rao, D.C., Skinner, J.S., Wilmore, J.H., Gagnon, J. and Bouchard, C. Body fat versus dietary fat in a bi-racial population of men and women: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 511, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.



- (541) Bouchard, C., Chagnon, Y.C., Eckel, R. and West, D.B. Recent advances in the genetic dissection of obesity. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 753, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (542) Eisenmann, J.C., Malina, R.M. and Bouchard, C. Physical activity and pulmonary function in 9-18 year old youth. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 841, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (543) Leon, A.S., Walker, A.J., Schmitz, M.K.H., Després, J.P., Rao, D.C., Skinner, J.S., Wilmore, J.H., Gagnon, J. and Bouchard, C. Blood lipid responses to exercise in Blacks vs Whites: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 982, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (544) Kaeferlein, B., Serfass, R.C., Walker, A.J., Rao, D.C., Skinner, J.S., Wilmore, J.H., Gagnon, J., Bouchard, C. and Leon, A.S. The effect of exercise training on heart rate variability and stroke volume: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 1234, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (545) Stanforth, P.R., Ruthven, M.D., Gagnon, J., Bouchard, C., Leon, A.S., Rao, D.C., Skinner, J.S. and Wilmore, J.W. Accuracy of prediction equations to estimate submaximal  $\dot{V}O_2$  during cycle ergometry: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 1883, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (546) Gagnon, J., Nadeau, A., Rice, T., Li, X., Tremblay, A., Leon, A.S., Rao, D.C., Skinner, J.S., Wilmore, J.H. and Bouchard, C. Reproducibility of plasma substrate levels during exercise: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Suppl. to Vol. 30, no 5, Abstract 1885, May 1998. ACSM Annual Meeting, Orlando, Florida, May 1998.
- (547) Worfarth, B., Kaiser, T., Gagnon, J., Chagnon, Y.C., Dionne, F.T., Pérusse, L., Boulay, M.R., Rivera, M., Rauramaa, R., Stray-Gundersen, J., Keul, J. and Bouchard, C. Erythropoietin receptor gene variants and endurance performance. International 15th Puijo Symposium, Kuopio, Finland, June 22-25, 1998.
- (548) Plarr, K., Wolfarth, B., Gagnon, J., Chagnon, Y.C., Pérusse, L., Boulay, M.R., Rivera, M., Rauramaa, R., Stray-Gundersen, J., Keul, J. and Bouchard, C. DNA variants in four genes of lipid metabolism in endurance athletes and controls. International 15th Puijo Symposium, Kuopio, Finland, June 22-25, 1998.
- (549) Pérusse, L., Chagnon, Y.C., Rice, T., Rao, D.C. and Bouchard, C. Genetics of obesity and related subphenotypes in the Quebec Family Study. Genetic and molecular basis of obesity Satellite Symposium of the 8th International Congress on Obesity, Paris, France, August 26-28, 1998.
- (550) Chagnon, Y.C., Pérusse, L., Roy, S., Lacaille, M., Chagnon, M., Ho-Kim, M.A., Rao, D.C. and Bouchard, C. Genome-wide search for genes related to adiposity in the Québec Family Study. Genetic and molecular basis of obesity Satellite Symposium of the 8th International Congress on Obesity, Paris, France, August 26-28, 1998.
- (551) Garenc, C., Gagnon, J., Bergeron, J., Pérusse, L., Després, J.P., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. The TER allele of the LPL SER44TER polymorphism is associated with an increase in HDL-cholesterol with endurance training only in the presence of a decrease in body fat: results from the HERITAGE Family Study. Genetic and

- molecular basis of obesity Satellite Symposium of the 8th International Congress on Obesity, Paris, France, August 26-28, 1998.
- (552) Larose, M., Chagnon, Y.C., Chagnon, M. and Bouchard, C. Identification of a potentially new candidate gene of human obesity using the suppression subtractive hybridization technique. Genetic and molecular basis of obesity Satellite Symposium of the 8th International Congress on Obesity, Paris, France, August 26-28, 1998.
  - (553) Pérusse, L., Chagnon, Y.C., Neverova, M., Warden, C.H. and Bouchard, C. UCP2 polymorphism and obesity-related phenotypes in the Quebec Family Study. Genetic and molecular basis of obesity Satellite Symposium of the 8th International Congress on Obesity, Paris, France, August 26-28, 1998.
  - (554) Sun, G., Chagnon, Y.C., Gagnon, J., Pérusse, L., Rao, D.C., Rivera, M.A., Sjöström, L. and Bouchard, C. ApaI polymorphism in IGF-II gene associated with higher BMI and fat mass (FM) in women from the Swedish Obese Subjects (SOS) and the Québec Family Study (QFS) cohorts. Genetic and molecular basis of obesity Satellite Symposium of the 8th International Congress on Obesity, Paris, France, August 26-28, 1998.
  - (555) Rice, T., Province, M.A., Pérusse, L., Chagnon, Y.C., Borecki, I.B., Rankinen, T., Gu, C., Nadeau, A., Rao, D.C. and Bouchard, C. The role of fat mass in an investigation of quantitative trait loci for blood pressure in obese-prone families: the Québec Family Study. Genetic and molecular basis of obesity Satellite Symposium of the 8th International Congress on Obesity, Paris, France, August 26-28, 1998.
  - (556) Pérusse, L., Chagnon, Y.C., Warden, C., Després, J.P., Rice, T., Rao, D.C. and Bouchard, C. Linkage between human syntenic region to the mouse *Mob-1* QTL and abdominal visceral fat and blood lipids. 8th International Congress on Obesity. International Journal of Obesity. Vol. 22, Suppl. 3, Paris, France, August 29-September 3, 1998.
  - (557) Chagnon, Y.C., Pérusse, L., Chung, W.K., Chagnon, M., Leibel, R.L. and Bouchard, C. Linkage and association between the leptin receptor LEPR gene and human body composition in the Québec Family Study. 8th International Congress on Obesity. International Journal of Obesity. Vol. 22, Suppl. 3, Paris, France, August 29-September 3, 1998.
  - (558) Larose, M., Chagnon, Y.C., Chagnon, M., Pérusse, L., Spiegelman, B.M. and Bouchard, C. Association and linkage studies between the PPAR $\gamma$  gene and obesity-related phenotypes in the Québec Family Study. 8th International Congress on Obesity. International Journal of Obesity. Vol. 22, Suppl. 3, Paris, France, August 29-September 3, 1998.
  - (559) Grinker, J.A., Pérusse, L., Tremblay, A. and Bouchard, C. Familial aggregation for 12-year changes in physical activity and energy intake: results from the Québec Family Study. 8th International Congress on Obesity. International Journal of Obesity. Vol. 22, Suppl. 3, Paris, France, August 29-September 3, 1998.
  - (560) Després, J.P., Couillard, C., Bergeron, J., Gagnon, J., Nadeau, A., Wilmore, J.H., Rao, D.C., Skinner, J.S., Leon, A. and Bouchard, C. Race differences in the impact of abdominal obesity on plasma HDL-cholesterol levels: role of visceral adipose tissue and of post-heparin plasma lipoprotein lipases: the HERITAGE Family Study. 8th International Congress on Obesity. International Journal of Obesity. Vol. 22, Suppl. 3, Paris, France, August 29-September 3, 1998.

- (561) Lemieux, I., Couillard, C., Bergeron, N., Prud'homme, D., Bergeron, J., Tremblay, A., Bouchard, C., Mauriège, P. and Després, J.P. The small, dense LDL phenotype of visceral obesity as a correlate of post-prandial lipemia in men. 8th International Congress on Obesity. International Journal of Obesity. Vol. 22, Suppl. 3, Paris, France, August 29-September 3, 1998.
- (562) Couillard, C., Bergeron, N., Prud'homme, D., Bergeron, J., Tremblay, A., Bouchard, C., Mauriège, P. and Després, J.P. Gender differences in postprandial lipemia: importance of visceral adipose tissue accumulation. 8th International Congress on Obesity. International Journal of Obesity. Vol. 22, Suppl. 3, Paris, France, August 29-September 3, 1998.
- (563) Weltman, A., Weltman, J., Clasey, J., Wideman, L., Kanaley, J., Thorner, M.O., Després, J.P., Bouchard, C. and Hartman, M.L. Relationship between abdominal visceral fat (AVF) and serum lipids in older adults. 8th International Congress on Obesity. International Journal of Obesity. Vol. 22, Suppl. 3, Paris, France, August 29-September 3, 1998.
- (564) Borecki, I., Province, M., Chagnon, Y.C., Périus, L., Rice, T., Rao, D.C. and Bouchard, C. Evaluating the evidence for linkage of candidate genes with BMI, fat mass, and fat-free mass by using a variance components approach (SEGPATH): The Quebec Family Study. 3rd Annual Meeting of the International Genetic Epidemiology Society, September 1998.
- (565) Rankinen, T., Périus, L., Thériault, G., Chagnon, M., Nadeau, A. and Bouchard, C. Linkage between plasma insulin level and Na,K-ATPase genes: The Québec Family Study. The American Heart Association's 71st Scientific Sessions. Supplement to Circulation. Vol. 98, 1998, Dallas, Texas, November 8-11, 1998.
- (566) Katzmarzyk, P.T., Rankinen, T., Périus, L., Malina, R.M. and Bouchard, C. Seven-year tracking of hemodynamic characteristics in the Canadian population. 24<sup>th</sup> Annual Meeting of the Human Biology Association. American Journal of Human Biology. Vol. 11, 1999, Columbus, Ohio, April 1999.
- (567) Katzmarzyk PT, Rankinen T, Perusse L, Rao DC and Bouchard C. Familial risk of high blood pressure in Canada. American Journal of Physical Anthropology (Supplement 28):165-166. Annual meeting of the American Association of Physical Anthropologists, Columbus, OH, April 1999.
- (568) Simoneau, J.A., Gagnon, J., Périus, L., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. Ressemblance familiale dans les capacités glycolytique et oxydative du muscle squelettique avant et après un programme d'entraînement physique en endurance. Journée de la recherche, Faculté de médecine, Université Laval, Québec, 25 mai 1999.
- (569) Chagnon, Y.C., Périus, L. and Bouchard, C. Analyse de liaison pour des traits complexes: L'obésité et ses co-morbidités. Journée de la recherche, Faculté de médecine, Université Laval, Québec, 25 mai 1999.
- (570) Clasey, J.L., Weltman, A., Patrie, J., Weltman, J.Y., Pezzoli, S.S., Teates, C.D., Bouchard, C., Thorner, M.O. and Hartman, M.L. Abdominal visceral fat (AVF), fasting insulin and IGF-I are important predictors of 24-h GH release independent of age, gender and other physiological factors. 81<sup>st</sup> Annual Meeting of The Endocrine Society, San Diego, CA, June 1999.
- (571) Rankinen, T., Gagnon, J., Périus, L., Chagnon, Y.C., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. Interaction between angiotensinogen (AGT) and angiotensin-

- converting enzyme (ACE) polymorphisms with exercise blood pressure: The HERITAGE Family Study. The FASEB Journal 13:4, Abstract 357.1. Experimental Biology 99, Washington, D.C., April 1999.
- (572) Bouchard, C. and Blair S.N. Physical activity in the prevention and treatment of obesity and its co-morbidities. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 1, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (573) Wideman, L., Clasey, J., Weltman, J., Kanaley, J., Teates, D. Bouchard, C., Hartman, M.L. and Weltman, A. Insulin but not glucose is related to fitness and body composition in healthy older adults. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 80, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (574) Walker, A.J., Gaskill, S.E., Gagnon, J., Rao, D.C., Skinner, J.S., Wilmore, J.H., Bouchard, C. and Leon, A.S. Gender differences in pre- to post-training changes in ventilatory threshold: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 542, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (575) Gaskill, S.E., Walker, A.J., Serfass, R., Bouchard, C., Gagnon, J., Rao, D.C., Skinner, J.S., Wilmore, J.H. and Leon, A.S. The effect of exercise on perceived exertion BP and HR at the ventilatory threshold: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 543, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (576) Skinner, J.S., Gagnon, J., Leon, A.S., Mandel, S., Rao, D.C., Wilmore, J.H. and Bouchard, C. Classification of responders and non-responders to standardized training: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 546, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (577) Stanforth, P.R., Gagnon, J., Rice, T., Bouchard, C., Leon, A.S., Rao, D.C., Skinner, J.S. and Wilmore, J.H. Reproducibility of resting blood pressure and heart rate: The HERITAGE Family Study. Medicine & Science in Sports & Exercise. Vol 31, No 590, Abstract 1, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (578) Wolfarth, B., Ducke, M., Gagnon, J., Chagnon, Y.C., Pérusse, L., Boulay, M.R., Rivera, M., Rauramaa, R., Stray-Gundersen, J. Keul, J. and Bouchard, C. Genetic polymorphisms in the endothelial nitric oxide synthase gene in elite endurance athletes and controls. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 695, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (579) Katzmarzyk, P.T., Malina, R.M. and Bouchard, C. Tracking of physical activity and fitness from adolescence to adulthood: The Québec Family Study. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 1475, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (580) Pérusse, L., Chagnon, Y.C., Gagnon, J., Collier, G., Borecki, I., Wilmore, J.H., Skinner, J.S., Leon, A.S., Rao, D.C. and Bouchard, C. The LEPR gene and body fat and leptin responses to endurance training in the HERITAGE Family Study. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 1899, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.

- (581) Rivera, M.A., Gagnon, J., Rice, T., Simoneau, J.A., Pérusse, L., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. Transforming growth factor B1 gene polymorphism and blood pressure response to acute exercise in the HERITAGE Family Study. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 1900, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (582) Väisänen, S.B., Rauramaa, R., Kahanen, R., Rankinen, T., Töyry, J., Halonen, P. and Bouchard, C. Exercise training and blood pressure with reference to the M235T polymorphism of angiotensinogen gene. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 1904, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington State, 1999.
- (583) Chagnon, Y.C., Borecki, I.B., Gagnon, J., Wilmore, J.H., Pérusse, L., Ho-Kim, M.A., Lacaille, M., Collier, G.R., Leon, A.S., Skinner, J.S., Rao, D.C. and Bouchard, C. Genome-wide search for genes related to adiposity and its changes with endurance training in the HERITAGE Family Study. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 1906, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (584) Rankinen, T., Gagnon, J., Pérusse, L., Chagnon, Y.C., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. Angiotensin-converting enzyme (ACE) I/D polymorphism and trainability of fitness phenotypes: the HERITAGE Family Study. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 1907, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (585) Sun, G., Gagnon, J., Després, J.P., Bergeron, J., Chagnon, Y.C., Pérusse, L., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. Plasma lipid levels and their responses to endurance training: association with an IGF-1 gene polymorphism. Medicine & Science in Sports & Exercise. Vol 31, No 5, Abstract 1908, May 1999 Supplement. ACSM Annual Meeting, Seattle, Washington, June 1999.
- (586) Weltman, A., Clasey, J., Weltman, J.Y., Wideman, L., Kanaley, J., Patrie, J., Thorner, M.O., Bouchard, C., Despres, J.P., and Hartman, M.L. Impact of abdominal visceral fat (AVF), growth hormone (GH), fitness and insulin on serum lipids in older adults. Serono Symposia USA. International Symposium on Endocrinology of Aging. (abstract) Tempe, Arizona, October 27 - 30, 1999.
- (587) Campbell, P.T., Katzmarzyk, P.T., Malina, R.M., and Bouchard, C. Predicting adulthood physical activity and health-related fitness from adolescent and parental measures: The Quebec Family Study. Canadian Journal of Applied Physiology. Vol. 24, No. 5, Abstract, p. 431, October 1999. 7th Annual Meeting of The Canadian Society for Exercise Physiology, Ontario, Canada, October 13 - 16, 1999.
- (588) Fortier, M.D., Katzmarzyk, P.T., and Bouchard, C. Physical activity and changes in body weight and fatness in Canada. Canadian Journal of Applied Physiology. Vol. 24, No. 5, Abstract, p. 443, October 1999. 7th Annual Meeting of The Canadian Society for Exercise Physiology, Ontario, October 13 - 16, 1999.
- (589) Katzmarzyk, P.T., Gagnon, J., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C. and Bouchard, C. Fitness, fatness and coronary heart disease. Canadian Journal of Applied Physiology. Vol. 24, No. 5, Abstract, p. 456, October 1999. 7th Annual Meeting of The Canadian Society for Exercise Physiology, Ontario, October 13 - 16, 1999.

- (590) Perusse, L., Rice, T., Chagnon, Y.C., Roy, S., Lacaille, M., Ho-Kim, M-H., Chagnon, M., Province, M., Rao, D.C., Bouchard, C. A genome-wide search for genes related to abdominal fat measured by CT-scan in the Quebec Family Study. Obesity Research, Vol. 7, suppl. 1, Abstract, p. 30S, November 1999. NAASO Annual Meeting, Charleston, South Carolina, November 14 - 18, 1999.
- (591) Rice, T., Gagnon, J., Perusse, L., Ho-Kim, M-H., Lacaille, M., Pare, C., Collier, G.R., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C., Bouchard, C. Genome-wide search for genes related to adiposity and its change with endurance training in the HERITAGE family study. Obesity Research, Vol. 7, suppl. 1, Abstract, p. 30S, November 1999. NAASO Annual Meeting, Charleston, South Carolina, November 14 - 18, 1999.
- (592) Tremblay, A., Gonzalez-Barranco, J., Bouchard, C., Despres, J.P., Lopez-Alvarenga, J.C., Aguilar-Salinas, C.A., Cervantes, R., Garcia-Aranda, R., Castillo-Martinez, L., Aburto-Torres, C.B., Bautista, S., Rodriguez, M., Velasco, M.L., Sanchez, M.B., and Brito-Cordoba, G. Hyperinsulinemia without metabolic syndrome: the case of adults with a history of early life malnutrition. Obesity Research, Vol. 7, suppl. 1, Abstract, p. 33S, November 1999. NAASO Annual Meeting, Charleston, South Carolina, November 14 - 18, 1999.
- (593) Bjorntorp, P., Rosmond, R., Chagnon, M., Chagnon, Y., Perusse, L., Ottosson, M., Ljung, T., Bouchard, C., and Bronnegard, M. The glucocorticoid receptor (GR) in abdominal obesity. Obesity Research, Vol. 7, suppl. 1, Abstract, p. 36S, November 1999. NAASO Annual Meeting, Charleston, South Carolina, November 14 - 18, 1999.
- (594) Rosmond, R., Chagnon, Y.C., Holm, G., Chagnon, M., Perusse, L., Lindell, K., Carlsson, B., Bouchard, C., and Bjorntorp, P. A glucocorticoid receptor gene marker is associated with abdominal obesity, leptin and dysregulation of the hypothalamic-pituitary-adrenal axis. Obesity Research, Vol. 7, suppl. 1, Abstract, p. 36S, November 1999. NAASO Annual Meeting, Charleston, South Carolina, November 14 - 18, 1999.
- (595) Rosmond, R., Chagnon, Y.C., Holm, G., Chagnon, M., Perusse, L., Lindell, K., Carlsson, B., Bouchard, C., and Bjorntorp, P. Hypertension in obesity and the leptin receptor gene locus. Obesity Research, Vol. 7, suppl. 1, Abstract, p. 36S, November 1999. NAASO Annual Meeting, Charleston, South Carolina, November 14 - 18, 1999.
- (596) Bjorntorp, P., Rosmond, R., Ljung, T., Chagnon, M., Chagnon, Y., Perusse, L., Bouchard, C., and Carlsson, B. Hypertension in obesity. Obesity Research, Vol. 7, suppl. 1, Abstract, p. 37S, November 1999. NAASO Annual Meeting, Charleston, South Carolina, November 14 - 18, 1999.
- (597) Heo, M., Leibel, R.L., Boyer, B.B., Chung, W.K., Koulu, M., Karvonen, M., Pesonen, U., Rissanen, A., Laakso, M., Uusitupa, M., Chagnon, Y., Bouchard, C., Donohue, P.A., Burns, T., Shuldiner, A., Silver, K., Pederson, O., Echwald, S., Sorensen, T.I.A., Behn, P., Permutt, M.A., and Allison, D.B. A preliminary meta-analysis of the association of LEPR polymorphisms with anthropometric variables. Obesity Research, Vol. 7, suppl. 1, Abstract, p. 37S, November 1999. NAASO Annual Meeting, Charleston, South Carolina, November 14 - 18, 1999.
- (598) An, P., Rice, T., Gagnon, J., Leon, A.S., Skinner, J.S., Wilmore, J.H., Bouchard, C., and Rao, D.C. Cross-Trait Familial Resemblance for Resting Blood Pressure and Body Composition and Fat Distribution: The HERITAGE Family Study. American Journal of Human Biology. Vol. 12, no. 1, January/February 2000.

- (599) Lanouette, C.M., Chagnon, Y.C., Muzzin, P. Giacobino, J.P., Chagnon, M., Pérusse, L., Bouchard, C. Association between the uncoupling protein 3 gene and obesity related phenotypes in the Quebec Family Study. American Diabetes Association 60<sup>th</sup> Scientific Sessions. January 5, 2000.
- (600) Weisnagel, S.J., Chagnon Y.C., Rankinen, T., Nadeau, A., Chagnon, M., Perusse, L., and Bouchard, C. The Insulin Receptor Substrate-1 (IRS-1) Gly972Arg Polymorphism Is Associated with Obesity in the Québec Family Study (QFS). American Diabetes Association 60<sup>th</sup> Scientific Sessions. January 5, 2000.
- (601) Katzmarzyk P.T., Pérusse L., Tremblay A., and Bouchard C. Resting metabolic rate, respiratory quotient and changes in body mass and fatness: 5½ year follow-up of the Québec Family Study. American Journal of Human Biology 12: 287-288, Annual Meeting of the Human Biology Association, San Antonio, TX, April, 2000.
- (602) Katzmarzyk P.T., Pérusse, L., Rice, T., Gagnon, J., Skinner, J.S., Wilmore, J.H., Leon, A., Rao, D.C., and Bouchard, C.. Familial resemblance in coronary heart disease risk. American Journal of Physical Anthropology (Supplement 30):193, Annual Meeting of the American Association of Physical Anthropologists, San Antonio, TX, April, 2000.
- (603) Weisnagel, S.J., Gagnon, J., Nadeau, A., Borecki, I., Leon, A.S., Rao, D.C., Skinner, J.S., Wilmore, J.H., and Bouchard, C. Insulin Response to a Glucose Challenge and a (CT)N Polymorphism at the IGF-I Gene Locus. Experimental Biology 2000: Annual Meeting of Federation American Societies for Experimental Biology Vol 14 (4), San Diego, CA March 15, 2000.
- (604) Katzmarzyk, P.T., Perusse, L., Tremblay, A., and Bouchard, C. Resting metabolic rate, respiratory quotient and changes in body mass and fatness: 5 ½ year follow-up of the Quebec Family Study. Annual meeting of the Human Biology Association, San Antonio, TX, April 2000. American Journal of Human Biology 12: 287-8, 2000.
- (605) Katzmarzyk, P.T., Perusse, L., Rice, T., Gagnon, J., Skinner, J.S., Wilmore, J.H., Leon, A.S., Rao, D.C., and Bouchard, C. Familial Resemblance in coronary heart disease risk. Annual meeting of the American Association of Physical Anthropologists, San Antonio, TX, April 2000. American Journal of Physical Anthropology (S 30): 193, 2000.
- (606) Weisnagel, S.J., Chagnon, Y.C., Rankinen, T., Nadeau, A., Chagnon, M., Perusse, L., and Bouchard, C. The Insulin Receptor Substrate-1 (IRS-1) Gly972Arg Polymorphism Is Associated With Obesity in French Canadian Caucasians. Halifax2000 CDA/CSEM Professional Conference October 11-14, 2000.
- (607) Couillard, C., Bergeron, N., Bergeron, J., Tremblay, A., Prud'homme, D., Bouchard, C., and Despres, J.-P. Metabolic heterogeneity underlying postprandial lipemia among men with low fasting HDL-cholesterol concentrations. 72<sup>nd</sup> Scientific Session of the American Heart Association, Atlanta, GA, Nov 7-10, 1999.
- (608) Katzmarzyk, P.T., Leon, A.S., Skinner, J.S., Wilmore, J.H., Gagnon, J., Rao, D.C., and Bouchard, C. Changes in risk factors with endurance training related to changes in fatness and aerobic fitness. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S188, 2000.

- (609) Wolfarth, B., Rankinen, T., Maier-Lenz, D., Chagnon, Y.C., Perusse, L., Boulay, M.R., Rivera, M., Rauramaa, R., Keul, J., and Bouchard, C. No Association between the angiotensin-converting enzyme I/D polymorphism and elite endurance athlete status. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S100, 2000.
- (610) Rivera, M.A., Echegaray, M., Rankinen, T., Perusse, L., Gagnon, J., Rice, T., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C., and Bouchard, C. Race-angiotensin genotype interaction for resting and exercise blood pressure phenotypes: the HERITAGE Family Study. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S100, 2000.
- (611) Sun, G., Perusse, L., Gagnon, J., Leon, A.S., Skinner, J.S., Wilmore, J.H., Rao, D.C., and Bouchard, C. Cardiovascular response to endurance training: association with IGF-I and IGFBP1 gene polymorphisms. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S100, 2000.
- (612) Skinner, J.S., Gaskill, S., Gagnon, J., Leon, A.S., Rao, D.C., Wilmore, J.H., and Bouchard, C. Effect of age, sex, race and training response on heart rate vs. percent  $\text{VO}_2\text{max}$ : the HERITAGE Family Study. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S101, 2000.
- (613) Rankinen, T., Rice, T., Perusse, L., Chagnon, Y.C., Gagnon, J., Leon, A.S., and Bouchard, C. Association between the NOS3 Glu298Asp genotype and trainability of exercise blood pressure: the HERITAGE Family Study. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S101, 2000.
- (614) Landers, D.M., He C.X., Romero, D., Arent, S.M., Ernier, J.L., Lutz, R., Bouchard, C., Gagnon, J., Leon, A.S., Rao, D.C., Wilmore, J.H., and Skinner, J.S. Anxiety, race, and training: the HERITAGE Family Study. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S106, 2000.
- (615) Campbell, P.T., Katzmarzyk, P.T., Perusse, L., Malina, R.M., Couillard, C., Bergeron, J., Despres, J.-P., and Bouchard, C. Associations among changes in adiposity and indicators of the metabolic syndrome from childhood to adulthood. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S190, 2000.
- (616) Leon A.S., Gaskill, S.E., Rice, T., Mandel, S., Despres, J.-P., Bergeron, J., Gagnon, J., Rao, D.C., Skinner, J.S., Wilmore, J.H., and Bouchard, C. Variability in responsiveness of plasma HDL cholesterol to exercise training: the HERITAGE Family Study. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S201, 2000.
- (617) Green, J.S., Stanforth, P.R., Gagnon, J., Bouchard, C., Leon, A.S., Rao, D.C., Skinner, J.S., and Wilmore, J.H. Effects of exercise training and hormone replacement on hemodynamic variables during submaximal exercise in postmenopausal women – the HERITAGE Family Study. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S232, 2000.
- (618) Gaskill, S.F., Walker, A.J., Bouchard, C., Gagnon, J., Rao, D.C., Skinner, J.S., Wilmore, J.H., and Leon, A.S. The age related decline in ventilatory threshold and  $\text{VO}_2\text{max}$  in a bi-racial population: the HERITAGE Family Study. ACSM Annual Meeting, Indianapolis, IN. May 31-June 3, 2000. Medicine & Science in Sports & Exercise 32:S259, 2000.



- (619) Wauters Ml, Chagnon M., Mertens Il, Consideine R., Van Gaal L., Bouchard, C. Leptin is associated with the *GLN27GLU*  $\beta$ 2 adrenoceptor polymorphism. 10<sup>th</sup> European Congress Obesity, Antwerp, Belgium, May 24-27, 2000. Int J Obes. 24:S24,2000.
- (620) Lanouette C.M., Muzzin P., Chagnon Y.C., Giacobino J.P., Chagnon M., Perusse L., Bouchard, C. Association between the uncoupling protein 3 gene and adiposity in Quebec Family Study. 10<sup>th</sup> European Congress Obesity, Antwerp, Belgium, May 24-27, 2000. Int J Obes. 24:S35, 2000.
- (621) Rosmond R., Chagnon Y.C., Chagnon M., Perusse L., Bouchard, C., Bjorntorp P. A polymorphism on the 5'-flanking region of the glucocorticoid receptor gene locus is associated with basal secretion of cortisol in men. 10<sup>th</sup> European Congress Obesity, Antwerp, Belgium, May 24-27, 2000. Int J Obes. 24:S50, 2000.
- (622) Wauters M., Mertens I., Van Gaal L., Bouchard C. Leptin receptor gene polymorphisms are associated with LH and FSH in obese women. 10<sup>th</sup> European Congress Obesity, Antwerp, Belgium, May 24-27, 2000. Int J Obes. 24:S51, 2000.
- (623) Rosmond R., Rankinen T., Chagnon M., Perusse L., Chagnon Y.C., Bouchard C., Bjorntorp P. Polymorphism in Exon 6 of the Dopamine D2 receptor gene (DRD2) is associated with elevated blood pressure. 10<sup>th</sup> European Congress Obesity, Antwerp, Belgium, May 24-27, 2000. Int J Obes. 24:S51, 2000.
- (624) Doucet E., St. Pierre S., Almeras N., Mauriege P., Despres J.-P., Richard D., Bouchard C., Tremblay A. Influence of fasting insulin levels on plasma leptin levels: Evidence from cross-sectional and intervention studies. 10<sup>th</sup> European Congress Obesity, Antwerp, Belgium, May 24-27, 2000. Int J Obes. 24:S69, 2000.
- (625) Chagnon Y.C., Borecki I.B., Perusse L., Lacaille M., Ho-Kim M.-A., Pare C., Gagnon J., Collier G.R., Province M.A., Rao D.C., Bouchard, C. Genome-wide search for genes related to leptin in the Quebec Family Study: an update. 10<sup>th</sup> European Congress Obesity, Antwerp, Belgium, May 24-27, 2000. Int J Obes. 24:S119, 2000.
- (626) van Rossum C.T.M., Hoebee B., Seidell J.C., Chagnon M., Bouchard, C. Genetic factors and weight gain in Dutch men and women. 10<sup>th</sup> European Congress Obesity, Antwerp, Belgium, May 24-27, 2000. Int J Obes. 24:S120, 2000.
- (627) Doucet E. Despres J.-P., Bouchard, C., Tremblay A. Body weight and composition in consumers and non consumers of vitamin supplements. 10<sup>th</sup> European Congress Obesity, Antwerp, Belgium, May 24-27, 2000. Int J Obes. 24:S157, 2000.
- (628) Bouchard C. Genetic factors and the response of CVD risk factors to regular exercise. XIIth International Symposium on Atherosclerosis, Stockholm, Sweden, June 25-29, 2000. Atherosclerosis 151: 90, 2000.
- (629) Thomis M., Rankinen T., Chagnon M., Gagnon J., Perusse L., Chagnon Y., Rao D.C., Leon A.S., Skinner J.S., Wilmore J.H., Bouchard C. The S100alpha gene and cardiorespiratory trainability in the HERITAGE Family Study. 5<sup>th</sup> Annual Congress of the European College of Sport Science, Finland. July 19-23, 2000
- (630) An P., Rice T., Rosmond R., Ukkola O., Gagnon J., Rankinen T., Leon A.S., Skinner J.S., Wilmore J. H., Bouchard C. Rao, D.C. Genome-wide Scan for Dehydroepiandrosterones

- Measured Before and After an Exercise Training Program in the HERITAGE Family Study. American Society of Human Genetics Annual Meeting, Philadelphia, PA, Oct. 3-7, 2000.
- (631) Perusse L, Rice T, Chagnon YC, Tremblay A, Rao DC, Bouchard C. A genome-wide linkage analysis of genes related to energy and macronutrient intake in the Quebec Family Study. NAASO 2000 Annual Meeting, Long Beach, CA, Oct. 29- Nov. 2, 2000.
  - (632) Jacobson P, Rankinen T, Sjostrom L, Bouchard C. Familial Resemblance in Resting Metabolic Rate among Obesity Discordant Sibpairs and Their Parents. NAASO 2000 Annual Meeting, Long Beach, CA, Oct. 29- Nov. 2, 2000.
  - (633) Doucet E, St. Pierre S, Almeras N, Despres JP, Bouchard C, Tremblay A. Evidence for the existence of facultative thermogenesis during weight loss. NAASO 2000 Annual Meeting, Long Beach, CA, Oct. 29- Nov. 2, 2000.
  - (634) Weisnagel SJ, Chagnon YC, Rankinen T, Perusse L, Leon AS, Skinner JS, Wilmore JH, Rao DC, Bouchard C. The Insulin Receptor Substrate-1 (IRS-1) Gly 972Arg Polymorphism and Adiposity, Glucose and Lipid Metabolism Phenotypes in the Quebec Family Study (QFS) and Heritage Family Study (HFS). NAASO 2000 Annual Meeting, Long Beach, CA, Oct. 29- Nov. 2, 2000.
  - (635) Togashi, Masuda H, Rankinen T, Tanaka S, Kamiya, Bouchard C. Body fat distribution and chronic disease risk factors in obese Japanese children. NAASO 2000 Annual Meeting, Long Beach, CA, Oct. 29- Nov. 2, 2000.
  - (636) Tanaka, Togashi K, Rankin T, Perusse L, Bouchard C. Is adiposity at normal body weight relevant for cardiovascular risk? NAASO 2000 Annual Meeting, Long Beach, CA, Oct. 29- Nov. 2, 2000.
  - (637) Rice T, Chagnon YC, Borecki IB, Ukkola O, Rankinen T, Perusse L, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Bouchard C, Rao DC. Genome-wide linkage study of abdominal fat in the sedentary state and in response to exercise training in black and white families of the HERITAGE Family Study. NAASO 2000 Annual Meeting, Long Beach, CA, Oct. 29- Nov. 2, 2000.
  - (638) Blair SN, Bouchard C, Haskell W, and Lee IM. Dose-response issues concerning physical activity and health: a summary. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
  - (639) Skinner JS, Gaskill S, Gagnon J, Leon AS, Rao DC, Wilmore JH, and Bouchard C. Accuracy of the Karvonen Formula in a large heterogeneous population: The HERITAGE Family Study. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
  - (640) Ardern CI, Katzmarzyk PT, Despres J-P and Bouchard C. Physical fitness, physical activity and coronary heart disease risk profile. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
  - (641) Leon AS, An P, Rice T, Perusse L, Gagnon J, Wilmore JH, Skinner JS, Rao DC, and Bouchard C. Familial aggregation of cardiovascular response to submaximal exercise in the HERITAGE Family Study. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
  - (642) Wolfarth B, Rankinen T, Muhlbauer S, Chagnon YC, Perusse L, Boulay MR, Rivera M, Rauramaa R, Keul J, and Bouchard C. Endothelial nitric oxide synthase gene polymorphisms and elite endurance athlete status: The Genathlete Study. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.

- (643) Rankinen T, Perusse L, An P, Rice T, Chagnon YC, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. Genomic scan for exercise stroke volume and cardiac output in The HERITAGE Family Study. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
- (644) Katzmarzyk P, Gledhill N, Perusse L, Rice T, Rao DC, and Bouchard C. Familial resemblance for seven year changes in musculoskeletal fitness. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
- (645) Simonen RL, Rankinen T, Perusse L, and Bouchard C. Familial aggregation of physical activity levels: The Quebec Family Study. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
- (646) Thomis MA, Huygens W, Peeters M, Loos R, Van Langendonck L, Lefevre J, Classens AL, Chagnon M, Vlietinck R, and Bouchard C. The ACE I/D polymorphism and body dimensions in strength athletes versus controls. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
- (647) Hunt MS, Katzmarzyk PT, Perusse L, and Bouchard C. Familial aggregation of seven year changes in human adiposity. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
- (648) Rivera MA, Echegaray M, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. Association between a solute carrier family 25, member 4 gene polymorphism and Vo2max: The HERITAGE Family Study. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
- (649) Echegaray M, Rivera MA, Rankinen T, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC, and Bouchard C. Creatine kinase B-subunit gene polymorphism association with V02max: The HERITAGE Family Study. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
- (650) Togashi K, Masuda H, Rankinen T, Tanaka S, Kamiya H, and Bouchard C. A 13-year follow-up study of treated obese children in Japan. ACSM 2001 Annual Meeting, Baltimore, MD, May 30-June 2, 2001.
- (651) Wauters M, Mertens I, Chagnon M, Bouchard C and Van Gaal, L. Leptin receptor gene (LEPR) polymorphisms are associated with substrate oxidation after a glucose load. 11<sup>th</sup> European Congress on Obesity, Vienna, Austria, May 30-June 2, 2001.
- (652) Katzmarzyk PT, Craig CL, and Bouchard C. Adiposity, adipose tissue distribution and all-cause mortality. American Journal of Epidemiology 153 (11 Suppl.):S229. 2001 Congress of Epidemiology, Toronto, Ontario, June 2001.
- (653) Katzmarzyk PT, Perusse L and Bouchard C. Familial resemblance in seven-year changes in blood pressure in Canada. American Journal of Epidemiology 153 (11 Suppl.):S55. 2001 Congress of Epidemiology, Toronto, Ontario, June 2001.
- (654) Jacqmain M, Ducet E, Despre J-P, Bouchard C and Tremblay A. Consommation de calcium et composition corporelle chez l'adulte. Club de Recherches Cliniques du Quebec, 43<sup>rd</sup> reunion annuelle. Mont Ste-Anne, Quebec, Canada Sept. 20-22, 2001.

- (655) An P, Borecki IB, Rankinen T, Perusse L, Leon AS, Skinner JS, Wilmore JH, Bouchard C, and Rao DC. Complex segregation analysis of exercise heart rate and blood pressure at baseline and in response to 20 weeks of endurance training: The HERITAGE Family Study. The American Journal of Human Genetics Vo. 69, no. 4, supplement, pg. 383. The American Society of Human Genetics Annual Meeting, Oct. 12-16, 2001; San Diego, CA.
- (656) Feitosa MF, Rice T, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Bouchard C, and Rao DC. Complex segregation analysis of ventilatory threshold measured before and after a 20-week endurance exercise training program: The HERITAGE Family Study. The American Journal of Human Genetics Vo. 69, no. 4, supplement, pg. 406. The American Society of Human Genetics Annual Meeting, Oct. 12-16, 2001; San Diego, CA.
- (657) Jacobson P, Ukkola O, Buffington C, Rankinen T, Leon AS, Rao DC, Skinner JS, Wilmore JH, Cowan GSM, Sjostrom L and Bouchard C. Melanocortin 4 receptor sequence variations and associations with morbid obesity: The Swedish Obese Subjects, The HERITAGE Family Study and a Memphis Cohort. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (658) Boucher N, Lanouette CM, Larose M, Perusse L, Bouchard C and Chagnon YC. A polymorphism of the melanocortin receptor 3 (MC3R) gene is associated with a constant level of fat in normal weight and overweight, but not in obese subjects. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (659) Togashi K, Rankinen T, Chagnon M, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Association between Apolipoprotein E gene polymorphism and training-induced changes in body composition: The HERITAGE Family Study. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (660) Garenc C, Perusse L, Chagnon YC, Rankinen T, Gagnon J, Borecki IB, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. The role of the beta2-adrenergic receptor gene on body fat distribution: The HERITAGE Family Study. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (661) Weisnagel SJ, Hong Y, Chagnon YC, Rice T, Perusse L, Rankinen T, Gagnon J, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Identification of quantitative trait loci (QTL) influencing glucose tolerance, insulin secretion and their responses to exercise training in a sedentary population: results from The HERITAGE Family Study. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (662) Doucet E, Imbeault P, St-Pierre S, Almeras N, Mauriege P, Despres J-P, Bouchard C and Tremblay A. Energy sparing during submaximal exercise after body weight loss in obese men. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (663) Sun G, Ukkola O, Rankinen T, Joannisse DR and Bouchard C. Skeletal muscle characteristics predict body fat gain following overfeeding in never-obese young men. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (664) Perusse L, Jacobson P, Rice T, Rao DC, Sjostrom L and Bouchard C. Heritability estimates of resting metabolic rate in Quebec and Swedish families. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.

- (665) Ukkola O, Tschop M, Perusse L, Sjostrom L, Bouchard C and Ravussin E. Ghrelin and human obesity. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (666) Lanouette CM, Chagnon YC, Rice T, Muzzin P, Giacobino JP, Perusse L, Gagnon J, Wilmore JH, Leon AS, Skinner JS, Rao DC and Bouchard C. The uncoupling protein 3 gene is associated with body composition changes following endurance training in The HERITAGE Family Study. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (667) Drapeau V, Despres J-P, Bouchard C and Tremblay A. Three-factor eating questionnaire: Results from the Quebec Family Study. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (668) Jacqmain M, Doucet E, Despres J-P, Bouchard C and Tremblay A. Calcium intake and body composition in adults. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (669) Doucet E, Bouchard C and Tremblay A. Increased energy economy with aging. NAASO 2001 Annual Meeting, Quebec City, PQ, Canada Oct. 7-10, 2001.
- (670) Blair SN, Chambliss Ho, Bouchard C, Blundell JE, Holmes PV and Hill JO. Symposium psychobiology of obesity. American College of Sports Medicine 49<sup>th</sup> Annual Meeting, St. Louis, MO May 28 – June 1, 2002.
- (671) Bouchard C, Rankinen T, Perusse L, Booth F, and Britton S. Symposium genetic differences, fitness and performance. American College of Sports Medicine 49<sup>th</sup> Annual Meeting, St. Louis, MO May 28 – June 1, 2002.
- (672) Huygens WH, Thomis MA, Peeters M, Loos R, Vanlangendonck L, Claessens AL, Chagnon M, Vlietinck R, Bouchard C, and Beunen GP. Myostatin (GDF-8): candidate gene for skeletal muscle mass. American College of Sports Medicine 49<sup>th</sup> Annual Meeting, St. Louis, MO May 28 – June 1, 2002.
- (673) Turley KR, Spears FM, Stanforth PR, Rankinen T, Bouchard C, Leon AS, Rao DC, Skinner JS, and Wilmore JH. Scaling submaximal cardiovascular data: the HERITAGE Family Study. American College of Sports Medicine 49<sup>th</sup> Annual Meeting, St. Louis, MO May 28 – June 1, 2002.
- (674) Perusse L, Chagnon YC, Vohl MC, Rankinen T, Wilmore JH, Leon As, Skinner JS, Rao DC and Bouchard C. Genome-wide scan of fat distribution in the Quebec and HERITAGE Family Studies. *Int J Obes* Vol 26, Suppl. 1, 2002. Ninth International Congress on Obesity; Sao Paulo Brazil, August 24-29, 2002.
- (675) Boule NG, Gonzalez-Barranco J, Aguilar-Salinas CA, Lopez-Alvarenga JC, Despres JP, Bouchard C, Gomez-Perez FJ, Castillo-Martinez L and Tremblay A. Insulin resistance and abdominal fat in young men evidence of malnutrition early in life. *Int J Obes* Vol 26, Suppl. 1, 2002. Ninth International Congress on Obesity; Sao Paulo Brazil, August 24-29, 2002.
- (676) Jacqmain M, Boule NG, Despres JP, Bouchard C and Tremblay A. Do changes in daily calcium intake predict those in body mass index and skinfold thickness during a 6-year follow-up study? *Int J Obes* Vol 26, Suppl. 1, 2002. Ninth International Congress on Obesity; Sao Paulo Brazil, August 24-29, 2002.

- (677) Perusse L, Chagnon YC and Boucahrd C. Review of genome scan studies of obesity in QFS and HERITAGE Family Studies. Int J Obes Vol 26, Suppl. 1, 2002. Ninth International Congress on Obesity; Sao Paulo Brazil, August 24-29, 2002.
- (678) Couillard C, Despres JP, Leon AS, Rao DC, Skinner JS, Wilmore JH and Bouchard C. Impact of obesity on plasma leptin levels in pre- and postmenopausal women. Int J Obes Vol 26, Suppl. 1, 2002. Ninth International Congress on Obesity; Sao Paulo Brazil, August 24-29, 2002.
- (679) Togashi K, Masuda H, Rankinen T, Bouchard C and Kamiya H. Sex differences in abdominal fat distribution and insulin resistance in obese Japanese children. Int J Obes Vol 26, Suppl. 1, 2002. Ninth International Congress on Obesity; Sao Paulo Brazil, August 24-29, 2002.
- (680) Drapeau V, Despres JP, Bouchard C and Tremblay A. Changes in the consumption of fats and fruits are related to long-term body weight changes. Int J Obes Vol 26, Suppl. 1, 2002. Ninth International Congress on Obesity; Sao Paulo Brazil, August 24-29, 2002.
- (681) Rosmond R, Bouchard C and Bjorntrop P. 5-HT2A receptor gene promoter polymorphism (-1438G/A) in relation to abdominal obesity and salivary cortisol. Int J Obes Vol 26, Suppl. 1, 2002. Ninth International Congress on Obesity; Sao Paulo Brazil, August 24-29, 2002.
- (682) Collaku A, Rankinen T, Rice T, Leon AS, Rao DC, Skinner JS, Wilmore JH and Bouchard C. A genome-wide linkage scan for dietary energy and energy nutrient intake: The HERITAGE Family Study. The 52<sup>nd</sup> Annual Meeting of The American Society of Human Genetics; Baltimore, MD October 15-19, 2002.
- (683) Feitosa MF, Borecki IB, Rankinen T, Despres JP, Leon AS, Skinner JS, Wilmore JH, Proviencia MA and Bouchard C. A QTL influencing triglyceride levels resides on Chromosome 13: The HERITAGE Family Study. The 52<sup>nd</sup> Annual Meeting of The American Society of Human Genetics; Baltimore, MD October 15-19, 2002.
- (684) Desmeules A, Couillard C, Tchernof A, Bergeron J, Rankinen T, Leon AS, Rao DC, Skinner JS, Wilmore JH, Despres JP and Bouchard C. Post heperine hepatic lipase activity and sex hormone binding protein in men and women. The 44<sup>th</sup> annual meeting of the Club de Recherches Cliniques du Quebec. September 19-21, 2002.
- (685) Jacqmain M, Boule NG, Doucet E, Despres JP, Bouchard C, and Tremblay A. Relationship between 6-year changes in daily calcium intake and changes in body composition. Canadian Society for Clinical Nutrition, April 24-26, 2003, Vancouver, Canada.
- (686) Lakka TA, Rankinen T, Rice T, Leon AS, Rao DC, Skinner JS, Wilmore JH, Bergman R and Bouchard C. A polymorphism in the 5' untranslated region of the leptin gene is associated with improvement in insulin sensitivity by exercise training. Int J Obes Vol. 27, Suppl. 1. 12<sup>th</sup> European Congress on Obesity, Helsinki, Finland, May 29-June 1, 2003.
- (687) Bouchard L, Tremblay A, Bouchard C and Despres J-P. Long-term adiposity changes are related to a glucocorticoid receptor variant in young females. Int J Obes Vol. 27, Suppl. 1. 12<sup>th</sup> European Congress on Obesity, Helsinki, Finland, May 29 –June 1, 2003.
- (688) Rosmond R, Chagnon M, Bouchard C and Bjorntorp P. Increased abdominal obesity, insulin and glucose levels in nondiabetic subjects with a missense mutation in transforming growth factor

- (TGF)- $\beta$ 1 gene. Int J Obes Vol. 27, Suppl. 1. 12<sup>th</sup> European Congress on Obesity, Helsinki, Finland, May 29 – June 1, 2003.
- (689) Drapeau V, Despres J-P, Bouchard C, and Tremblay A. Modifications in food group consumption related to long-term body weight changes. Int J Obes Vol. 27, Suppl. 1. 12<sup>th</sup> European Congress on Obesity, Helsinki, Finland, May 29 – June 1, 2003.
- (690) Jacobson P, Sjostrom L and Bouchard C. Assortive mating for BMI and its effects on obesity prevalence: The Swedish Obese Subjects (SOS) Study. Int J Obes Vol. 27, Suppl. 1. 12<sup>th</sup> European Congress on Obesity, Helsinki, Finland, May 29 – June 1, 2003.
- (691) Rico-Sanz J, Rankinen T, Rice T, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Genome-wide scans for VO<sub>2max</sub> and maximal power output and their response to training in the HERITAGE Family Study. FASEB Vol 17, No 4, A493, 2003. Experimental Biology 2003, San Diego, CA April 11-15, 2003.
- (692) Angers M, Kock LG, Britton SL, Bouchard C, and Rankinen T. Differentially expressed genes in soleus muscle between ow- and high-capacity running rats (LCR &HCR) using microarray technology. FASEB Vol 17, No 4, A78, 2003. Experimental Biology 2003, San Diego, CA April 11-15, 2003.
- (693) Jacqmain M, Boule NG, Doucet T, Despres J-P, Bouchard C and Tremblay A. Relationship between 6-year changes in daily calcium intake and changes in body composition. Canadian Journal of Gastroenterology 17(6): 392, 2003.
- (694) Green JS, Stanforth PR, Rankinen T, Bouchard C, Leon AS, Rao DC, Skinner JS, and Wilmore JH. Estrogen replacement and exercise effects on visceral fat in postmenopausal women – The HERITAGE Family Study. Med Sci Sports Exerc. Vol 35, No 5, Abstract 54, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.
- (695) Perusse L, Joanisse DR, Rankinen T, Leon AS, Rao DC, Skinner JS, Wilmore JH and Bouchard C. Ace I/D polymorphism and skeletal muscle characteristics in the Quebec and HERITAGE Family Studies. Med Sci Sports Exerc. Vol 35, No 5, Abstract 300, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.
- (696) Ardern CI, Katzmarzyk PT, Leon AS, Wilmore JH, Skinner JS, Rao DC, Rankinen T, Despres J-P, and Bouchard C. Race similarities in the multivariate associations between exercise-induced changes in blood lipids and body fatness. Med Sci Sports Exerc. Vol 35, No 5, Abstract 373, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.
- (697) Katzmarzyk PT, Leon AS, Wilmore JH, Skinner JS, Rao DC, Rankinen T, and Bouchard C. Targeting the metabolic syndrome with exercise: evidence from The HERITAGE Family Study. Med Sci Sports Exerc. Vol 35, No 5, Abstract 385, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.
- (698) Loos RJF, Rankinen T, Perusse L and Bouchard C. Polymorphisms in the melanocortin-4 receptor in relation to physical inactivity in the Quebec Family Study. Med Sci Sports Exerc. Vol 35, No 5, Abstract 1026, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.

- (699) Shephard RJ, Rankinen T, and Bouchard C. Heterogeneity of response to aerobic training: The influence of experimental error. Med Sci Sports Exerc. Vol 35, No 5, Abstract 1070, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.
- (700) Rico-Sanz J, Rankinen T, Joanisse DR, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Cardiorespiratory responses to exercise and the C34T AMPDI gene polymorphism in The HERITAGE Family Study. Med Sci Sports Exerc. Vol 35, No 5, Abstract 2099, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.
- (701) Padro CA, Rivera MA, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. KCNJ11 and KCNQ1 genes interaction in  $VO_{2max}$ : The HERITAGE Family Study. Med Sci Sports Exerc. Vol 35, No 5, Abstract 2100, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.
- (702) Rankinen T, Rice T, Boudreau A, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. Titin is a candidate gene for stroke volume response to endurance training: The HERITAGE Family Study. Med Sci Sports Exerc. Vol 35, No 5, Abstract 2101, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.
- (703) Gonzalez C, Padro CA, Wolffarth B, Rankinen T, Perusse L, Rauramaa R, Bouchard C and Rivera MA. KCNJ11 gene polymorphism and elite endurance athlete status: The HERITAGE Family Study. Med Sci Sports Exerc. Vol 35, No 5, Abstract 2102, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.
- (704) Echegaray M, Rivera I, Wolffarth B, Rankinen T, Perusse L, Rauramaa R, Bouchard C and Rivera MA. Uncoupling protein 3 gene polymorphism and elite endurance athlete status: The GENEATHLETE Study. Med Sci Sports Exerc. Vol 35, No 5, Abstract 2103, May 2003 Supplement. ACSM Annual Meeting, San Francisco, CA May 28-31, 2003.
- (705) Bossé Y, Vohl MC, Després JP, Lamarche B, Rice T, Rao DC, Bouchard C, Périus L. Héritabilité de la taille des particules LDL dans l'étude des familles de Québec. 4e Réunion annuelle de la Société québécoise de lipidologie, de nutrition et métabolisme inc. Sainte-Foy (Québec), 24-26 avril 2003. *Médecine Sciences* 19(3), viii, 2003.
- (706) Bossé Y, Chagnon YC, Després JP, Rice T, Rao DC, Bouchard C, Périus L, Vohl MC. A genome-wide linkage scan on lipid and lipoprotein levels in the Québec Family Study. 18th IDF Congress, Paris, France from 24 – 29 August 2003. *Diabetologia* 2003; 46 (Suppl 2): A 55.
- (707) Dube M-C, Joanisse D, Lavoie C, Prudhomme D, Lemieux S, Bouchard C and Weisnagel SJ. CT-Scan derived muscle fat infiltration indices and body fat distribution in type 1 and type 2 diabetic and healthy subjects: Strong relations independent of diabetes status. NAASO 2003 Annual Meeting, Fort Lauderdale, FL Oct. 11-15, 2003. Obes Res Vol 11, Supplement, 2003.
- (708) Teran-Garcia M, Despres J-P, Tremblay A, and Bouchard C. Effects of cholesterol ester transfer protein (CETP) gene polymorphisms on adiposity in response to long-term overfeeding in identical twins. NAASO 2003 Annual Meeting, Fort Lauderdale, FL Oct. 11-15, 2003. Obes Res Vol 11, Supplement, 2003.
- (709) Bal F, Rankinen T, Charbonneau C, Belsham D, Rao DC, Bouchard C and Argyropoulos G. A role for AgRP in human obesity. NAASO 2003 Annual Meeting, Fort Lauderdale, FL Oct. 11-15, 2003. Obes Res Vol 11, Supplement, 2003



- (710) Loos R, Rankinen T, Leon A, Rao DC, Skinner J, Wilmore J and Bouchard C. Calcium intake and body composition in the HERITAGE Family Study. NAASO 2003 Annual Meeting, Fort Lauderdale, FL Oct. 11-15, 2003. Obes Res Vol 11, Supplement, 2003.
- (711) Teran-Garcia M, Rankinen T, Rice T, Leon AS, Rao DC, Skinner JS, Wilmore JH, and Bouchard C. Gene expression and endurance training-induced changes in insulin sensitivity: the HERITAGE Family Study. The American Society of Human Genetics 53<sup>rd</sup> Annual Meeting, Los Angeles, CA Nov. 4-8, 2003. Am J Hum Genet, Vol 73 Supplement.
- (712) An P, Rice T, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. A whole-genome scan for resting heart rate: The HERITAGE Family Study. The American Society of Human Genetics 53<sup>rd</sup> Annual Meeting, Los Angeles, CA Nov. 4-8, 2003. Am J Hum Genet, Vol 73 Supplement.
- (713) Paradis M-E, Couture P, Bosse Y, Despres J-P, Perusse L, Bouchard C, Vohl M-C and Lamarche B. The T111I missense mutation in the endothelial lipase gene modulates the relationship between dietary fat intake and the HDL profile in women. American Heart Association Scientific Sessions 2003, Orlando, FL Nov. 9-12, 2003. Circulation, Vol 108, No. 17 Supplement.
- (714) St-Pierre AC, Bosse Y, Perusse L, Bouchard C, Tremblay A, Despres J-P, Vohl M-C and Lamarche B. National Cholesterol Education Program Expert Panel (Adult Treatment Panel III) definition of the metabolic syndrome fails to identify homogeneous subgroups of patients at risk for cardiovascular disease and type 2 diabetes. American Heart Association Scientific Sessions 2003, Orlando, FL Nov. 9-12, 2003. Circulation, Vol 108, No. 17 Supplement.
- (715) Bossé Y, Feitosa MF, Després JP, Rice T, Rao DC, Bouchard C, Pérusse L, Vohl MC. Génétique de la taille des particules LDL: qu'avons-nous appris de l'étude des familles de Québec. 5e Réunion annuelle de la Société québécoise de lipidologie, de nutrition et métabolisme inc. Sainte-Foy (Québec), 29 avril au 1er mai 2004. Médecine Sciences 20(3), xx, 2004.
- (716) Bélanger C, Bossé Y, Lamarche B, Després JP, Bouchard C, Pérusse L, Vohl MC, Tchernof A. Androgens and LDL particle size in men. 57<sup>th</sup> Annual Meeting of the Canadian Cardiovascular Society, October 23-27, Calgary, Alberta, Canada. The Canadian Journal of Cardiology, vol 20, suppl D, page 76, 2004.
- (717) Chantal C, Rankinen T, Fulu B, Bouchard C and Argyropoulos G. A role for AGRP in food intake and body fatness. 13<sup>th</sup> European Congress on Obesity, Prague, Czech Republic May 26-29, 2004. Int J Obes Vol. 28, Supplement 1, pp S16. May 2004.
- (718) Bosse J, Luidgi B, Despres J-P, Bouchard C, Perusse L and Vohl M-C. Haplotypes in the phospholipid transfer protein gene are associated with obesity-related phenotypes. 13<sup>th</sup> European Congress on Obesity, Prague, Czech Republic May 26-29, 2004. Int J Obes Vol. 28, Supplement 1, pp S105. May 2004.
- (719) An P, Rice T, Rankinen T, Weisnagel SJ, Bergman RN, Leon AS, Skinner JS, Wilmore JH, Bouchard C and Rao DC. Genomic scan of glucose metabolism indices in response to endurance exercise training: The HERITAGE Family Study. American Diabetes Association 64<sup>th</sup> Scientific Sessions, Orlando, FL June 4- 8, 2004. Diabetes Vol 53, Supplement 2, pp A522, 2004.
- (720) Skinner JS, Gaskill SE, Rankinen T, Leon AS, Rao DC, Wilmore JH, and Bouchard C. Evaluation of ACSM Guidelines on prescribing exercise intensity for "Quite Unfit": The

- HERITAGE Family Study. ACSM 51<sup>st</sup> Annual Meeting, Indianapolis, IN June 2-5, 2004. Med Sci Sports Exerc. Vol 36, No 5, pp S3, May 2004 Supplement.
- (721) Gaskill SE, Bouchard C, Rankinen T, Rao DC, Wilmore JH, Leon AS and Skinner JS. % Heart rate reserve is better related to % VO<sub>2</sub> max than to % VO<sub>2</sub> reserve: The HERITAGE Family Study. ACSM 51<sup>st</sup> Annual Meeting, Indianapolis, IN June 2-5, 2004. Med Sci Sports Exerc. Vol 36, No 5, pp S3, May 2004 Supplement.
  - (722) Padro CA, Rivera MA, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. KCNA4 gene SNP and VO<sub>2</sub> max response to endurance training: The HERITAGE Family Study. ACSM 51<sup>st</sup> Annual Meeting, Indianapolis, IN June 2-5, 2004. Med Sci Sports Exerc. Vol 36, No 5, pp S99, May 2004 Supplement.
  - (723) Rivera MA, Padro CA, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Rao DC and Bouchard C. KCNC1 gene polymorphism and VO<sub>2</sub> max: The HERITAGE Family Study. ACSM 51<sup>st</sup> Annual Meeting, Indianapolis, IN June 2-5, 2004. Med Sci Sports Exerc. Vol 36, No 5, pp S99, May 2004 Supplement.
  - (724) Okura T, Rankinen T, Lussier-Cacan S, Davignon J, Leon AS, Rao DC, Skinner JS, Wilmore JH and Bouchard C. Effect of regular aerobic exercise on plasma homocysteine concentrations: The HERITAGE Family Study. ACSM 51<sup>st</sup> Annual Meeting, Indianapolis, IN June 2-5, 2004. Med Sci Sports Exerc. Vol 36, No 5, pp S188, May 2004 Supplement.
  - (725) Sojo R, Martinez C, Martinez-Barreda JL, Martin-Urrilade JA, Lopez-Taylor J, Bouchard C, and Rivera MA. Association between CKMM genotype and endurance performance level in Hispanic marathon runners. ACSM 51<sup>st</sup> Annual Meeting, Indianapolis, IN June 2-5, 2004. Med Sci Sports Exerc. Vol 36, No 5, pp S260, May 2004 Supplement.
  - (726) Bolo M, Reyes D, Martinez C, Martinex-Barreda JL, Martin-Urrilade JA, Lopez-Taylor J, Eschegaray M, Bouchard C and Rivera MA. ACE genotype and endurance performance level in Hispanic marathon runners. ACSM 51<sup>st</sup> Annual Meeting, Indianapolis, IN June 2-5, 2004. Med Sci Sports Exerc. Vol 36, No 5, pp S260, May 2004 Supplement.
  - (727) Bouchard C. Genetics of abdominal obesity. The Endocrine Society's 8<sup>th</sup> Annual Meeting. Program and abstracts; page 48, 2004.
  - (728) Bosse Y, Despres J-P, Chagnon YC, Rice T, Rao DC, Bouchard C, Perusse L, Vohl M-C. Genome-wide linkage scan for the metabolic syndrome reveals a major quantitative trait locus on chromosome 15q: The Quebec Family Study. American Society of Human Genetics Annual Meeting. Toronto, Canada. October 26-30, 2004.
  - (729) Feitosa M, Rice T, North KE, Rankinen T, Leon AS, Skinner JS, Wilmore JH, Despres JP, Blangero J, Bouchard C, Rao DC. Evidence for a QTL on 12q23 influencing triglyceride and high density lipoprotein cholesterol levels in the HERITAGE Family Study. American Society of Human Genetics Annual Meeting. Toronto, Canada. October 26-30, 2004.
  - (730) Bouchard L, Drapeau V, Provencher V, Lemieux S, Vohl M, Tremblay A, Marceau P, Richard D, Maureige P, Bouchard C, Perusse L. The Neuromedin B Gene is associated with human eating behaviors and body fat gain over time. NAASO's 2004 Annual Meeting, Las Vegas, NV Nov 14-18, 2004. Obes Res. Vol 12, pp A25, October 2004 Supplement.

- (731) Loos R, Rankinen T, Chagnon Y, Perusse L, Tremblay A, Bouchard C. Positional cloning of a QTL for respiratory quotient (RQ) at 12q13 in the Quebec Family Study (QFS). NAASO's 2004 Annual Meeting, Las Vegas, NV Nov 14-18, 2004. Obes Res. Vol 12, pp A25, October 2004 Supplement.
- (732) Jalbert ME, Despres JP, Tremblay A, Perusse L, Bouchard C, Almeras N. Lifestyle habits and metabolic risk profile in children of the Quebec Family Study. NAASO's 2004 Annual Meeting, Las Vegas, NV Nov 14-18, 2004. Obes Res. Vol 12, pp A149, October 2004 Supplement.
- (733) Eisenmann J, Katzmarzyk P, Perusse L, Tremblay A, Despres JP, Bouchard C. Interaction of the body mass index and aerobic fitness on CVD risk factors among adolescents: the Quebec Family Study. NAASO's 2004 Annual Meeting, Las Vegas, NV, Nov 14-18, 2004. Obes Res. Vol 12, pp A150, October 2004 Supplement.
- (734) Teran-Garcia M, Santoro N, Rankinen T, Bergeron J, Rice T, Leon A, Rao DC, Skinner J, Wilmore J, Bergman R, Despres JP, Bouchard C. Hepatic lipase gene variant -514C>T is associated with lipoprotein and insulin sensitivity response to regular exercise: the HERITAGE Family Study. NAASO's 2004 Annual Meeting, Las Vegas, NV Nov 14-18, 2004. Obes Res. Vol 12, pp A154, October 2004 Supplement.
- (735) Janssen I, Katzmarzyk P, Srinivasan S, Chen W, Malina R, Bouchard C, Berensen G. Combined utility of BMI and waist circumference for predicting coronary heart disease risk factors in children and adolescents. NAASO's 2004 Annual Meeting, Las Vegas, NV Nov 14-18, 2004. Obes Res. Vol 12, pp A199, October 2004 Supplement.
- (736) Lachance D, Almeras N, Lemieux I, Tremblay A, Bouchard C, Perusse L, Despres JP. Cardiorespiratory fitness and metabolic profile: importance of visceral adipose tissue. CDA/CSEM Professional Conference and Annual Meetings, Quebec, Canada Oct 27-30, 2004. Can J Diabetes Vol 28, No 3, pp 252, 2004.
- (737) Hong YL, Mandel S, Weisnagel SJ, Rice T, Rankinen T, Skinner JS, Leon AS, Wilmore JH, Rao DC, Bouchard C. Association between indices of insulin resistance and the metabolic syndrome, as defined by NCEP-ATP-III, in sedentary blacks and whites – The HERITAGE Family Study. 44<sup>th</sup> Annual Conference on Cardiovascular Disease Epidemiology and Prevention in association with the Council on Nutrition, Physical Activity and Metabolism, March 3-6, 2004, San Francisco, CA. Circulation. Vol 109(7): E134-E135.
- (738) Rankinen T, Boudreau A, Rice T, An P, Rao DC, Argyropoulos G, Bouchard C. Positional cloning reveals KIF5B as a candidate gene for stroke volume training response. 35<sup>th</sup> International Congress of Physiological Sciences, San Diego, CA Mar 31-Apr 5, 2005. FASEB J Vol 19 (4), pp A128, Part 1 Supplement.
- (739) Lakka HM, Lakka T, Rankinen T, Rice T, Rao DC, Leon AA, Skinner JS, Wilmore JH, Bouchard C. The AA genotype of the TNF-alpha G-308A polymorphism is associated with elevated G-reactive protein levels in white and black adults: The HERITAGE Family Study. Circulation Vol 110, No 17, pp 92, October 2004 Supplement.
- (740) Pigeon E, Tremblay A, Bouchard C, Despres JP, Joanisse D. Subcutaneous thigh adipose tissue protects against glucose intolerance in men and women independently of body fatness. Obes Res Vol. 13, pp A12, No 45, September 2005 Supplement.

- (741) Chaput JP, Despres JP, Bouchard C, Tremblay A. Short sleep duration is associated with reduced leptin levels and increased body weight: results from the Quebec Family Study. Obes Res Vol. 13, pp A21, No 82, September 2005 Supplement.
- (742) Perusse L, Bouchard L, Bouchard C, Lemieux S. NAASO Annual Meeting, Vancouver. Association study of cannabinoid receptor-1 gene and eating behaviors in the Quebec Family Study. Obes Res Vol. 13, pp A38, No 149. September 2005 Supplement.
- (743) May-Ruchat Stéphanie, Weisnagel J, Bouchard C, Périusse L. Association between obesity, insulin resistance and adiponectin gene polymorphisms in the Quebec Family Study. Obesity Research 13 (Suppl): 386-P, 2005 (NAASO, Vancouver, October 15-19, 2005).
- (744) Choquette A, Houde A, Després JP, Bouchard C, Périusse L, Vohl MC. Hyperapobétalipoprotéïnémie et LDL petites et denses: Rôle des variations génétiques dans le gène USF1. 6e Réunion annuelle de la Société québécoise de lipidologie, de nutrition et métabolisme inc. Sainte-Foy (Québec), 28 au 30 avril 2005. Médecine Sciences 21(3), 2005.
- (745) Choquette A, Houde A, Bouchard L, Després JP, Bouchard C, Périusse L, Vohl MC. Are USF1 gene variants associated with obesity-related phenotypes in the Quebec Family Study (QFS)? 58th Annual Meeting of the Canadian Cardiovascular Society. October 22-26, 2005. Montréal, Canada. Canadian Journal of Cardiology, vol 21, suppl C, p100c, 2005.
- (746) Malhotra A, Coon H, Feitosa MF, Li W, North KE, Price RA, Bouchard C, Hunt SC, Wolford JK. Meta-analysis of genome-wide linkage studies for quantitative lipid traits in African Americans. American Society of Human Genetics Annual Meeting. Salt Lake City, UT. October 25-29, 2005.
- (747) Bailey SD, Desbiens K, Lepage P, Faith J, Dore C, Fontaine J, Hudson TJ, Bouchard C, Perusse L, Gaudet D, Vohl M-C, Engert JC. Common polymorphisms in the promoter of the visfatin gene (PBEF1) in a French Canadian population. American Society of Human Genetics Annual Meeting. Salt Lake City, UT. October 25-29, 2005.
- (748) Hautala AJ, Rankinen T, Kiviniemi AM, Makikallio TH, Huikuri HV, Bouchard C, Tulppo MP. Heart rate recovery after maximal exercise is associated with acetylcholine receptor M2 (CHRM2) gene polymorphism: 784: 9:30 AM – 9:45 AM. Med Sci Sports Exerc. 38(5): S49, 2006.
- (749) Davis PG, Rankinen T, Leon AS, Rao DC, Skinner JS, Wilmore JH, Bouchard C. Effect of endurance exercise training on serum adiponectin concentration: the HERITAGE Family Study. 769: 8:00 AM – 8:15 AM. Med Sci Sports Exerc. 38(5): S45, 2006.
- (750) Dolley G, Berthier MT, Després JP, Bouchard C, Périusse L, Vohl MC. Influences du gène de la protéine de transfert des phosphatidylcholines (PCTP) sur la taille des particules LDL. Réunion annuelle de la Société québécoise de lipidologie, nutrition et métabolisme. Médecine Sciences 3 (22), 2006.
- (751) Teran-Garcia M, Hulver M, Rankinen T, Rao DC, Leon AS, Skinner JS, Wilmore JH, Weisnagel JS, Joannis DR, Bouchard C. Skeletal muscle predictors of endurance training-induced changes in fasting insulin and sensitivity index (S<sub>i</sub>) in the HERITAGE Family Study. Diabetes Vol. 55, pp A337, No 1448-P. June 2006 Supplement.

- (752) Ruchat SM, Loos RJF, Rankinen T, Vohl MC, Weisnagel SJ, Bouchard C, Pérusse L. Polymorphismes au sein des gènes de l'adiponectine et de ses récepteurs 1 et 2 et de la résistance à l'insuline : résultats de l'Étude des Familles de Québec. Réunion annuelle de la Société québécoise de lipidologie, nutrition et métabolisme. *Médecine Sciences* 3 (22), 2006.
- (753) Patricia Blackburn, Benoît Lamarche, Tuomo Rankinen, Arthur S. Leon, D.C. Rao, James S. Skinner, Jack H. Wilmore, Claude Bouchard, Jean-Pierre Després. Effects of endurance exercise training on electrophoretic characteristics of LDL particles: The HERITAGE Family Study. Oral presentation at the Canadian Cardiovascular Congress, Vancouver (British Columbia). *Canadian Journal of Cardiology* 2006 ; 22 (supplement D): 159D.
- (754) Cartier A, Côté M, Lemieux I, Pérusse L, Tremblay A, Bouchard C, Després JP. Age-related differences in inflammatory markers: contribution of visceral adiposity. *Circulation*, vol. 114, No 18, supplement, October 31, 2006, p II-861, abstract 4003. Présentation orale présentée dans le cadre des Scientific Sessions de l'American Heart Association, Chicago, États-Unis, 12-15 novembre 2006.
- (755) Cartier A, Côté M, Lemieux I, Pérusse L, Tremblay A, Bouchard C, Després JP. Gender difference in inflammatory markers: what is the contribution of visceral adiposity? *Circulation*, vol. 114, No 18, supplement, October 31, 2006, p II-904, abstract 4189. Présentation orale présentée dans le cadre des Scientific Sessions de l'American Heart Association, Chicago, États-Unis, 12-15 novembre 2006.
- (756) Dolley G, Berthier MT, Després JP, Bouchard C, Pérusse L, Vohl MC. Influences of the phosphatidylcholine transfer protein gene variants on the LDL peak particle size. Canadian Cardiovascular Congress 2006, Vancouver, BC, Canada, October 21-25, 2006. *Can J Cardiol*, Vol 22, Suppl. D, 2006.
- (757) Ewy GA, Wilmore JH, Rankinen T, Leon AS, Rao DC, Skinner JS, Bouchard C. Lp-PLA(2) is weakly to modestly correlated with insulin, visceral fat, and lipids and lipoproteins, but is uncorrelated with C-reactive protein (hsCRP) and blood pressure: The HERITAGE Family Study. *Circulation* 114(18): 223-4 Suppl., No 1194, 2007.
- (758) Cartier A, Cote M, Lemieux I, Perusse L, Tremblay A, Bouchard C, Despres JP. Age-related differences in inflammatory markers: contribution of visceral adiposity. *Circulation* 114(18): 861 Suppl., 2007.
- (759) Cartier A, Cote M, Lemieux I, Perusse L, Tremblay A, Bouchard C, Despres JP. Gender difference in inflammatory markers: What is the contribution of visceral adiposity? *Circulation* 114(18): 904 Suppl., 2007.
- (760) Rankinen T, Church T, Rice T, Leon AS, Rao DC, Skinner JS, Blair SN, Bouchard C. Effect of endothelin 1 genotype on blood pressure is dependent on physical activity or fitness level. 47<sup>th</sup> Annual Conference on Cardiovascular Disease Epidemiology and Prevention in association with the Council on Nutrition, Physical Activity, and Metabolism, February 28-March 3, Orlando, FL. *Circulation* 115(8): E296, 2007.
- (761) Stuetz AM, Rao DC, Rice T, Bouchard C, Rankinen T. SLC4A5 gene polymorphisms are associated with cardiovascular and metabolic phenotypes in the HERITAGE Family Study. Experimental Biology 2007 Annual Meeting, April 28-May 2, 2007, Washington DC. *FASEB J* Vol 21 (5), A571 (614.13) Part 1.

- (762) Rankinen T, Teran-Garcia M, Rice T, Rao DC, Bouchard C. Endurance training alleviates PRKCQ genotype-related metabolic abnormalities: the HERITAGE Family Study. American College of Sports Medicine Annual Meeting, May 30-June 2, 2007, New Orleans, Louisiana. MSSE Vol 39 (5), S14, Abstract 567.
- (763) Rivera M, Castro P, Matos C, Matos J, Salgado J, Martinez J, Lopez-Taylor J, Bouchard C. Aquaporin-4 Gene DNA Variant and Endurance Performance Status in Hispanics. American College of Sports Medicine Annual Meeting, May 30-June 2, 2007, New Orleans, Louisiana. MSSE Vol 39 (5), S279, Abstract 1717.
- (764) Leon A, Wilmore J, Ewy G, Rankinen T, Rao DC, Skinner J, Bouchard C. Endurance Exercise Training Reduces Lp-PLA2 in Young White Adults: The HERITAGE Family Study. American College of Sports Medicine Annual Meeting, May 30-June 2, 2007, New Orleans, Louisiana. MSSE Vol 39 (5), S312, Abstract 1854.
- (765) Hautala A, Tulppo M, Kiviniemi A, Rankinen T, Bouchard C, Makikallio T, Huikuri H. Association of acetylcholine receptor M2 (CHRM2) gene polymorphisms with heart rate recovery after exercise among patients with a recent myocardial infarction. XXI Nordic Congress of Cardiology, June 6-8, 2007, Oulu, Finland. International Journal of Cardiology Vol 119 (Supplement), S13, Abstract P19.
- (766) Côté M, Cartier A, Mauriège P, Lemieux I, Tremblay A, Périus L, Bouchard C, Després JP. Les différences sexuelles dans les niveaux d'adiponectine ne peuvent être entièrement expliquées par la variation dans l'accumulation de tissu adipeux viscéral. 8e Réunion annuelle de la Société québécoise de lipidologie, nutrition et métabolisme (3 au 5 mai 2007). Médecine Sciences 28, 2007.
- (767) Dolley G, Lamarche B, Després JP, Bouchard C, Périus L, Vohl MC. La présence de polymorphismes dans le gène de l'adacylglycérol kinase affect les concentrations de triglycérides plasmatiques et la taille des particules LDL. 8e Réunion annuelle de la Société québécoise de lipidologie, nutrition et métabolisme (3 au 5 mai 2007). Médecine Sciences 31, 2007.
- (768) Ruchat S, Girard M, Weisnagel SJ, Bouchard C, Vohl MC, Périus L. Associations entre des polymorphismes du gène du récepteur MU-1 aux opioïdes et des indicateurs d'obésité et de résistance à l'insuline : résultats de l'Étude des Familles de Québec (QFS). 8e Réunion annuelle de la Société québécoise de lipidologie, nutrition et métabolisme (3 au 5 mai 2007). Médecine Sciences 68, 2007.
- (769) Cartier A, Côté M, Lemieux I, Périus L, Tremblay A, Bouchard C, Després JP. Variation des marqueurs inflammatoires observée avec l'âge : contribution de l'adiposité viscérale. 8e Réunion annuelle de la Société québécoise de lipidologie, nutrition et métabolisme (3 au 5 mai 2007). Médecine Sciences 21, 2007.
- (770) Bouchard C, Rankinen T, Teran-Garcia M. Genes and response to exercise in diabetes. European Association for the Study of Diabetes, September 17-21, 2007, Amsterdam, The Netherlands.
- (771) Spielmann N, Tremblay A, Périus L, Després JP, Ravussin E, Bouchard C. Plasma C-Reactive Protein Concentrations Do Not Modulate the Association Between Leptin and Adiposity Phenotypes. The Obesity Society Annual Meeting, October 20-24, 2007, New Orleans, Louisiana. Obesity Vol 15 (Supplement), A171, 548-P.

- (772) Chaput JP, Despres JP, Bouchard C, Tremblay A. Short sleep duration and obesity/type 2 diabetes: does the glucostatic theory of appetite control explain the association? The Obesity Society Annual Meeting, October 20-24, 2007, New Orleans, Louisiana (oral presentation).
- (773) Dolley, G; Lamarche, B; Despres, I; Bouchard, C; Prusse, L; Vohl, M. Diacylglycerol kinase E gene affects LDL particle size in the Quebec Family Study. 60<sup>th</sup> Annual Meeting of the Canadian Cardiovascular Society and CCCN Annual Meeting and Scientific Sessions, October 20-24, 2007, Quebec City, Canada. Canadian Journal of Cardiology Vol 23 (Supplement), 94C-95C, 253.
- (774) Dolley G, Lamarche B, Després JP, Bouchard C, Périusse L, Vohl MC. Myeloperoxidase gene variations are associated with low-density-lipoprotein characteristics. American Society of Human Genetics, 57th Annual Meeting, San Diego, October 2007.
- (775) Choquette A, Lemieux S, Tremblay A, Chagnon YC, Bouchard C, Vohl MC, Périusse L. Evidence of a quantitative trait locus for energy and macronutrient intakes on chromosome 3q27.3 in the Quebec Family Study (QFS). American Society of Human Genetics, 57th Annual Meeting, San Diego, October 2007, Am. J. Hum. Genet. 2007.
- (776) Ruchat SM, Després JP, Weisnagel SJ, Chagnon YC, Bouchard C, Périusse L. Genome-wide linkage analysis for circulating levels of inflammatory markers in the Quebec Family Study. American Society of Human Genetics, 57th Annual Meeting, San Diego, October 2007.
- (777) Do R, Paré G, Montpetit A, Bailey SD, Desbiens K, Hudson TJ, Bouchard C, Périusse L, Vohl MC, Gaudet D, Engert JC. SNPs at the INSIG2 locus are associated with plasma lipid phenotypes. American Society of Human Genetics, 57th Annual Meeting, San Diego, October 2007.
- (778) Choquette A, Dolley G, Lemieux S, Tremblay A, Drapeau V, Bouchard C, Vohl, MC, Périusse L. CART polymorphism affect lipid intake and eating behaviours in women participating in the Quebec Family Study. 1st Annual Canadian Human Genetics Conference. St-Sauveur, Québec, Canada, 9 au 12 avril 2008.
- (779) Chaput JP, Despres JP, Bouchard C, Tremblay A. The association between short sleep duration and weight gain in adults: a 6 year prospective study from the Quebec Family Study. ECO 2008, May 14-17, 2008, Geneva, Switzerland. IJO, 32 (Supplement 1): S35.
- (780) Choquette A, Dolley G, Lemieux S, Tremblay A, Drapeau V, Bouchard C, Vohl MC, Périusse L. Effet de certains polymorphismes du gène CART sur les comportements alimentaires et la consommation de lipides chez les femmes de l'étude des familles de Québec (QFS). Journée annuelle de la Recherche de la Faculté de médecine de l'Université Laval. Université Laval, Québec (Québec), 27 mai 2008.
- (781) Pelletier-Beaumont E, Arsenault B, Lemieux I, Almeras N, Tremblay A, Perusse L, Bouchard C, Despres JP. Cardiorespiratory Fitness, Intra-Abdominal Adipose Tissue Accumulation and the Atherogenic Metabolic Triad in Women. American Diabetes Association 68<sup>th</sup> Scientific Sessions, June 6-10, 2008, San Francisco, California. Diabetes Abstract Book, A386, 1369-P.
- (782) Johnson W, Bouchard C, Newton R, Ryan D, Katzmarzyk P. Racial Differences in Self-reported and Measured Height, Weight and Body Mass Index: The Pennington Center Longitudinal Study. The Obesity Society Annual Meeting, October 3-7, 2008, Phoenix, Arizona. Obesity, Vol 16 (Supplement), S256, 718-P.

- (783) Johnson W, Bouchard C, Newton R, Ryan D, Katzmarzyk P. Errors in Self-Reported Height and Weight Increase with Central Adiposity: The Pennington Center Longitudinal Study. The Obesity Society Annual Meeting, October 3-7, 2008, Phoenix, Arizona. Obesity, Vol 16 (Supplement), S257, 721-P.
- (784) Arsenault BJ, Carter A, Cote M, Lemieux I, Tremblay A, Bouchard C, Perusse L, Despres JP. Body Composition, Cardiorespiratory Fitness and Low-Grade Inflammation in Middle-Aged Men and Women. Supplement to Circulation / Abstracts from Scientific Sessions 118(18): S\_1142 (Abstract 5083), 2008.
- (785) Ruchat SM, Vohl MC, Weisnagel SJ, Rankinen T, Bouchard C, Perusse L. The relationships between dietary fat intake, adiposity and indices of insulin sensitivity and insulin secretion are influenced by genetic variation in type 2 diabetes susceptibility genes. 2<sup>nd</sup> Congress of the International Society of Nutrigenetics/Nutrigenomics; Geneva, Switzerland; October 6-8, 2008, J Nutrigenet Nutrigenomics, 1: 293.
- (786) Bailey SD, Pare G, Montpetit A, Rudzicz N, Do R, Gaudet D, Bouchard C, Perusse L, Vohl M-C, Keavney B, Hudson TJ, Yusuf S, Anand SS, Engert JC. A haplotype spanning the SREBF1 gene is associated with BMI and varies in frequency worldwide. American Society of Human Genetics Annual Meeting. Philadelphia, PA. November 11-15, 2008.
- (787) Choquette A, Lemieux S, Tremblay A, Drapeau V, Bouchard C, Vohl MC, Périusse L. GAD2 gene, food intake and eating behaviours in the Quebec Family Study (QFS). Canadian Obesity Student Meeting (COSM). Université Laval, Québec (Québec), June 4-6, 2008.
- (788) Rhéaume C, Bélanger S, Arsenault BJ, Tremblay A, Périusse L, Bouchard C, Poirier P, Després JP. Visceral obesity, cardiorespiratory fitness and blood pressure in healthy middle aged men and women. Oral presentation - 49th Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism. AHA, Palm Harbor, Florida, March 17, 2009, Circulation 119(10): 65 (abstract 13).
- (789) Camhi SM, Katzmarzyk PT, Srinivasan SR, Chen W, Bouchard C, Berenson GS. Predicting Metabolically Obese Normal-Weight Adults from Childhood: Findings from the Bogalusa Heart Study. 49th Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism. AHA, Palm Harbor, Florida, March 2009, Circulation 119(10).
- (790) Bélanger S, Arsenault BJ, Tremblay A, Périusse L, Bouchard C, Poirier P, Després JP, Rhéaume C. La capacité cardiorespiratoire et la tension artérielle dans un contexte d'obésité viscérale chez des hommes et des femmes d'âge moyen. Poster presentation - 17<sup>e</sup> Réunion scientifique annuelle de la Société Québécoise d'Hypertension Artérielle, Québec, QC, Canada. Med Sci, Suppl 1, January 2009.
- (791) Choquette A, Lemieux S, Drapeau V, Tremblay A, Engert JC, Bouchard C, Vohl MC, Périusse L. Influence du gène FTO sur les comportements et les apports alimentaires dans l'étude des familles de Québec (QFS). Société québécoise de lipidologie, de nutrition et de métabolisme (SQLNM), Hôtel Château Bonne Entente, Sainte-Foy (Québec), 30 avril, 1<sup>er</sup> et 2 mai 2009. Médecine Sciences 3 : volume 25, p. vii.
- (792) Sarzynski MA, Rankinen T, Sternfeld B, Fornage M, Sidney S, Bouchard C. Associations from HIF1A gene sequence variation and cardiorespiratory fitness: The CARDIA Fitness Study. 2009 Experimental Biology Annual Meeting; New Orleans, Louisiana; April 20, 2009.



- (793) Choquette A, Lemieux S, Tremblay A, Bouchard C, Vohl MC, Périusse L. Des variations génétiques du gène de l'adiponectine sont associées aux comportements et aux apports alimentaires. Journée annuelle de la Recherche de la Faculté de médecine de l'Université laval, Québec (Québec), 2 juin 2009.
- (794) Chaput JP, Leblanc C, Perusse L, Despres JP, Bouchard C, Tremblay A. Risk factors for adult overweight and obesity in the Quebec Family Study : Have we been barking up the wrong tree ? 17<sup>th</sup> European Congress on Obesity. Amsterdam, The Netherlands, May 2009, Obesity Facts, Supplement 2:34 (T2:OS2.4).
- (795) Huot M, Arsenault BJ, Tremblay A, Périusse L, Bouchard C, Poirier P, Després JP, Rhéaume C. Influence of visceral adipose tissue accumulation on the relationship between insulin resistance and blood pressure in middle-aged men and women. Poster presentation – 11th Symposium of the International Diabetes Epidemiology Group. Québec, QC, Canada. October 2009.
- (796) Camhi S, Bray GA, Bouchard C, Greenway F, Johnson WD, Newton RL, Ravussin E, Ryan DH, Smith SR, Katzmarzyk PT. Gender and Ethnic Differences in the Relationship Between Anthropometry and Depot-Specific Adiposity. The Obesity Society 2009 Annual Meeting. October 24-28, 2009. Washington, DC. Obesity Vol 17 (Supplement 2); S156, 391-P.
- (797) Choquette AC, Bouchard L, Drapeau V, Lemieux S, Tremblay A, Bouchard C, Vohl MC, Perusse L. Evidence of Association Between a Human Olfactory Receptor Gene (OR7D4) and Traits Related to Eating Behavior and Body Fatness: Results from the Quebec Family Study (QFS). The Obesity Society 2009 Annual Meeting. October 24-28, 2009. Washington, DC. Obesity Vol 17 (Supplement 2); S294, 903-P.
- (798) Perusse L, Lemieux S, Choquette AC, Tremblay A, Kent JW, Bouchard C, Blangero J. Quantitative Genetic Analysis of Eating Behavior, Dietary Intake, and Obesity-Related Traits in the Quebec Family Study. The Obesity Society 2009 Annual Meeting. October 24-28, 2009. Washington, DC. Obesity Vol 17 (Supplement 2); S295, 908-P.
- (799) Huot M, Arsenault BJ, Gaudreault V, Poirier P, Périusse L, Tremblay A, Bouchard C, Després JP, Rhéaume C. Contribution de l'obésité abdominale dans la relation entre la résistance à l'insuline et la tension artérielle au repos et à l'effort. Communication par affiche – Réunion scientifique annuelle de la Société québécoise d'hypertension artérielle. Québec, QC, Canada. Janvier 2010.
- (800) Dumas MP, Arsenault BJ, Tremblay A, Périusse L, Bouchard C, Poirier P, Després JP, Rhéaume C. Contributions respectives des changements de la condition cardiorespiratoire et de l'adiposité viscérale sur les changements des marqueurs du risque cardiometabolique : résultats d'un suivi de 6 ans. Communication par affiche -18e Réunion scientifique annuelle de la Société Québécoise d'Hypertension Artérielle, Québec, QC, Canada. Med Sci, Suppl 1, janvier 2010.
- (801) Perusse L, Bellis C, Dyer T, Carless MA, Despres JP, Bouchard C, Marette A, Blangero J, Vohl MC. Genome-wide Association Study Identifies Genes Linking Abdominal Fat, Inflammation and Other Cardiovascular Disease Risk Factors in the Quebec Family Study. American Heart Association Scientific Sessions; Orlando, Florida; November 17, 2009. Circulation 120(18): S587-88 (Supplement 2).
- (802) Katzmarzyk PT, Newton RL, Bouchard C, Bray GA, Greenway FL, Johnson WD, Ravussin E, Ryan DH. Abdominal Visceral and Subcutaneous Adiposity and Cardiometabolic Risk Factors in

- White and African-American Adults. American Heart Association EPI/NPAM Meeting. March 2-5, 2010. San Francisco, California. P115.
- (803) Camhi SM, Katzmarzyk PT, Broyles S, Srinivasan SR, Chen W, Bouchard C, Berenson GS. Subclinical Atherosclerosis and BMI-Specific Metabolic Risk. American Heart Association EPI/NPAM Meeting. March 2-5, 2010. San Francisco, California. P284.
  - (804) Rheume C, Arsenault BJ, Perusse L, Tremblay A, Bouchard C, Poirier P, Despres JP. Respective Contributions of Cardiorespiratory Fitness and Visceral Adiposity Levels to 6-Year Changes in Cardiometabolic Risk Markers in Middle-Aged Men and Women. American Heart Association EPI/NPAM Meeting. March 2-5, 2010. San Francisco, California. P67.
  - (805) Huot M, Arsenault BJ, Gaudreault V, Poirier P, Perusse L, Tremblay A, Bouchard C, Despres JP, Rheume C. Insulin Resistance and Exercise-Induced Hypertension in Men and Women Without Hypertension at Rest: Impact of Abdominal Obesity. American Heart Association EPI/NPAM Meeting. March 2-5, 2010. San Francisco, California. P92.
  - (806) Zhu N, Jacobs DR, Sidney S, Sternfeld B, Carnethon M, Lewis CE, Shay CM, Sood A, Bouchard C. Fat Mass Assessed by Dual X-ray Absorptiometry (DXA) is More Strongly Associated with Symptom-limited Treadmill Test Performance than is Lean Mass in the Coronary Artery Risk Development in Young Adults (CARDIA) Study. American Heart Association EPI/NPAM Meeting. March 2-5, 2010. San Francisco, California. P96.
  - (807) Sung YJ, Duan Y, Rice TK, Rankinen T, Bouchard C, Gu CC. Evaluation of Imputation Strategies for Family Data. International Genetic Epidemiology Society 18<sup>th</sup> Annual Meeting. October 18-20, 2009. Oahu, Hawaii. #147.
  - (808) Dumas MP, Arsenault BJ, Tremblay A, Périusse L, Bouchard C, Poirier P, Després JP, Rhéaume C. Contributions respectives des changements de la condition cardiorespiratoire et de l'adiposité viscérale sur les changements des marqueurs du risque cardiométabolique : résultats d'un suivi de 6 ans. Communication par affiche – 18<sup>e</sup> Réunion scientifique annuelle de la Société québécoise d'hypertension artérielle, Québec, QC' Canada. Med Sci, Suppl 1, janvier 2010.
  - (809) Huot M, Arsenault BJ, Gaudreault V, Tremblay A, Périusse L, Bouchard C, Poirier P, Després JP, Rhéaume C. Contribution de l'obésité abdominale à la relation entre la résistance à l'insuline et la tension artérielle au repos et à l'effort. Poster presentation -18<sup>ième</sup> Réunion scientifique annuelle, Québec, QC, Canada. Med Sci, Suppl 1, January 2010.
  - (810) Sarzynski MA, Rankinen T, Sternfeld B, Fornage M, Jacobs DR, Sidney S, Bouchard C. SNPs from 17 Genes and Symptom-Limited Exercise Test Duration Over 20 Years: The Cardia Fitness Study. American College of Sports Medicine 57<sup>th</sup> Annual Meeting. June 2-5, 2010. Baltimore, Maryland. Med Sci Sports Exerc. 42(5): S66 (Supplement).
  - (811) Rankinen T, Rice T, Sarzynski M, Bouchard C. Locus on Chromosome 2q37 Is Associated with Hemodynamic Training Responses: The Heritage Family Study. American College of Sports Medicine 57<sup>th</sup> Annual Meeting. June 2-5, 2010. Baltimore, Maryland. Med Sci Sports Exerc. 42(5): S563-64 (Supplement).
  - (812) Dolley G, Lamarche B, Després JP, Bouchard C, Périusse L, Vohl MC. Interaction Effect of the Fatty Acid Synthase (FASN) Gene Polymorphisms and Lipid Intake on LDL Particle Size. 3<sup>rd</sup>

- Congress of the International Society of Nutrigenetics/Nutrigenomics. October 21-23, 2009. Bethesda, Maryland. J Nutrigenet Nutrigenomics. 2(4-5): 210.
- (813) Rhéaume C, Arsenault BJ, Tremblay A, Périus L, Bouchard C, Poirier P, Després JP. Respective contributions of cardiorespiratory fitness and visceral adiposity levels to 6-year changes in cardiometabolic risk markers in middle-aged men and women. Poster presentation -Joint Conference - 50th Cardiovascular Disease Epidemiology and Prevention – and – Nutrition, Physical Activity and Metabolism. San Francisco, CA, USA. *Circulation*, March 2010.
  - (814) Huot M, Arsenault BJ, Gaudreault V, Tremblay A, Périus L, Bouchard C, Poirier P, Després JP, Rhéaume C. Insuline résistance and exercise-induced hypertension in men and women without hypertension at rest : impact of abdominal obesity. Poster presentation – Joint Conference - 50th Cardiovascular Disease Epidemiology and Prevention – and – Nutrition, Physical Activity and Metabolism. San Francisco, CA, USA. *Circulation*, March 2010.
  - (815) Huot M, Arsenault BJ, Gaudreault V, Poirier P, Périus L, Tremblay A, Bouchard C, Després JP, Rhéaume C. Contribution de l'obésité abdominale à la relation entre la condition cardiorespiratoire et la tension artérielle au repos et à l'effort. Poster presentation – 11e réunion annuelle de la Société Québécoise de Lipidologie, de Nutrition et de Métabolisme. M/S Résumés des communications (2010); #32 :10 Québec, QC, Canada, April 2010.
  - (816) Choquette A, Lemieux S, Drapeau V, Tremblay A, Bouchard C, Vohl MC, Périus L. Association entre le gène BDNF et l'obésité. Société québécoise de lipidologie, de nutrition et de métabolisme, Québec, Québec, Canada, 24 avril-1e mai 2010, Médecine Sciences, 11e réunion annuelle: 17, 2010.
  - (817) Plourde M, Vohl MC, Bouchard C, Dolley G, Marette A, Périus L. Une analyse d'association à l'échelle du génome suggère la présence de gènes communs entre l'adiposité et l'inflammation. Société québécoise de lipidologie, de nutrition et de métabolisme, Québec, Québec, Canada, 24 avril-1e mai 2010, Médecine Sciences, 11e réunion annuelle: 17, 2010.
  - (818) Périus L, Després JP, Marette A, Kent Jr J, Bouchard C, Vohl MC, Blangero J. Bivariate Genetic Analyses of Adiposity, Inflammatory Biomarkers and Cardiovascular Disease Risk Factors in the Quebec Family Study. 11<sup>th</sup> International Congress on Obesity. July 11-15, 2010. Stockholm, Sweden. Obes Rev. 11(Suppl 1):143.
  - (819) Choquette AC, Lemieux S, Drapeau V, Tremblay A, Bouchard C, Vohl MC, Périus L. Evidence of Association Between the Adiponectin Gene (ADIPOQ), Food Intake and Eating Behaviours in the Quebec Family Study. 11<sup>th</sup> International Congress on Obesity. July 11-15, 2010. Stockholm, Sweden. Obes Rev. 11(Suppl 1):149.
  - (820) Sarzynski MA, Jacobson P, Rankinen T, Carlson B, Sjostrom L, Carlsson LMS, Bouchard C. Association of GWAS-Based Candidate Genes with HDL-Cholesterol Levels Before and After Bariatric Surgery in the Swedish Obese Subjects Study. *Obesity* 2010: 28<sup>th</sup> Annual Scientific Meeting. October 8-12, San Diego, CA. Obesity. 18(Suppl 2): S188.
  - (821) Krishnapuram R, Dhurandhar EJ, Dubuisson O, Kirk-Ballard H, Bajpeyi S, Butte N, Johnson W, McGlone M, Reinhart G, Rankinen T, Bouchard C, Cefalu WT, Ye J, Javier R, Zuberi A, Dhurandhar NV. A Human Virus Improves Diabetes. *Obesity* 2010: 28<sup>th</sup> Annual Scientific Meeting. October 8-12, San Diego, CA. Obesity. 18(Suppl 2): S212.

- (822) Dumas Marie-Pierre, Arsenault BJ, Tremblay A, Pérusse L, Bouchard C, Poirier P, Després JP, Rhéaume C. Contributions respectives des changements de la condition cardiorespiratoire et de l'adiposité viscérale sur les changements des marqueurs du risque cardiometabolique : résultats d'un suivi de 6 ans. Poster présentation - Family Medicine Forum. Vancouver, Canada, Octobre 2010.
- (823) Hu G, Bouchard C, Bray GA, Greenway FL, Johnson WD, Newton RL Jr, Ravussin E, Ryan DH, Katzmarzyk PT. Trunk Versus Extremity Adiposity and Cardiometabolic Risk Factors in White and African-American Adults. American Heart Association EPI/NPAM Meeting. March 22-25, 2011. Atlanta, Georgia. P65.
- (824) Katzmarzyk PT, Bray GA, Greenway FL, Johnson WD, Newton RL Jr, Ravussin E, Ryan DH, Bouchard C. Race-specific Body Mass Index and Waist Circumference Thresholds for the Identification of Cardiometabolic Risk. American Heart Association EPI/NPAM Meeting. March 22-25, 2011. Atlanta, Georgia. P177.
- (825) Sarzynski MA, Rice T, Sung YJ, Rao DC, Bouchard C, Rankinen T. Genome-wide Association Study of HDL-C and Hepatic Lipase Activity Responses to Exercise Training in the HERITAGE Family Study. American Heart Association EPI/NPAM Meeting. March 22-25, 2011. Atlanta, Georgia. P250.
- (826) Bower JK, Schreiner PJ, Pankow JS, Carnethon MR, Jacobs DR, Rankinen R, Bouchard C. The Association of Cardiorespiratory Fitness and Hemoglobin A1c is Modified by Genotype of FTO and PPARG Single Nucleotide Polymorphisms (SNPs) in the Coronary Artery Risk Development in Young Adults (CARDIA) Study. American Heart Association EPI/NPAM Meeting. March 22-25, 2011. Atlanta, Georgia. P261.
- (827) Sarzynski MA, Rice TK, Sung YJ, Rao DC, Bouchard C, Rankinen T. GWAS of triglyceride and LPL activity responses to exercise training in the HERITAGE Family Study. American College of Sports Medicine 58<sup>th</sup> Annual Meeting. May 31-June 4, 2011. Denver, Colorado.
- (828) Brawner CA, Ehrman JK, Kerrigan DS, Leon AS, Rankinen T, Rao DC, Bouchard C, Keteyian SJ. Novel measures to evaluate the cardiorespiratory response to exercise training without a follow-up exercise test. American College of Sports Medicine 58<sup>th</sup> Annual Meeting. May 31-June 4, 2011. Denver, Colorado.
- (829) Chaput JP, Després JP, Bouchard C, Tremblay A. The association between short sleep duration and weight gain is dependent on disinhibited eating behavior in adults. World Association of Sleep Medicine & Canadian Sleep Society Congress, September 10-14, 2011. Quebec City, Canada. Sleep Med. 12 (Suppl 1): S13.
- (830) Chaput JP, Després JP, Bouchard C, Tremblay A. Increasing sleep duration attenuates fat gain in adult short sleepers. Obesity 2011: 29<sup>th</sup> Annual Scientific Meeting. October 1-5, 2011. Orlando, Florida. Obesity. 19(Suppl 1): S141.
- (831) Evans NS, Lloyd-Jones DM, Green D, Colangelo LA, Jacobs DR, Zhu N, Bouchard C, Lewis CE, Schreiner PJ, Sidney S, Sternfeld B, Carnethon MR. Associations of cardiorespiratory fitness with markers of thrombosis and inflammation in the Coronary Artery Risk Development in Young Adults Study. American Heart Association Scientific Sessions. November 12-16, 2011. Orlando, Florida. Circulation. 124(21): A15977.

- (832) Bouchard C, Rankinen T, Sarzynski M. Kaiser Permanente Division of Research. Genetics of Obesity, Fitness and Activity with Highlights of CARDIA Genetic Studies. Oakland, CA, February 8, 2011.
- (833) Zhu N, Jacobs DR, Schreiner PJ, Bryan RN, Launer LJ, Whitmer R, Sidney S, Demerath EW, Thomas W, Bouchard C, He K. Treadmill duration predicts cognitive function. American Heart Association EPI/NPAM Meeting. March 13-16, 2012. San Diego, California. Circulation. 125(10 Suppl):A007.
- (834) Rankinen T, Sung YJ, Sarzynski M, Rice TK, Rao DC, Bouchard C. The heritability of submaximal exercise heart rate response to regular exercise is accounted for by nine SNPs. American Heart Association EPI/NPAM Meeting. March 13-16, 2012. San Diego, California. P236.
- (835) Chaput JP, Despres JP, Bouchard C, Tremblay A. Short sleep duration preferentially increases abdominal adiposity in adults. 19<sup>th</sup> European Congress on Obesity. May 9-12, 2012. Lyon, France. Obesity Facts. 5(Suppl 1): 73.
- (836) Rankinen T, Peltonen M, Sarzynski MA, Sjostrom L, Bouchard C, Carlsson LMS. Insulin secretion-related SNPs are association with prevalent and incident diabetes in the SOS bariatric surgery cases. American College of Sports Medicine 59<sup>th</sup> Annual Meeting. May 29-June 2, 2012. San Francisco, California. Med Sci Sports Exer 44(2):437.
- (837) Chaput J-P, McNeil J, Despres J-P, Bouchard C, Tremblay A. Short sleep duration is associated with greater alcohol consumption in adults. Obesity 2012: 30<sup>th</sup> Annual Scientific Meeting. September 20-24, 2012. San Antonio, Texas.
- (838) Katzmarzyk PT, Heymsfield SB, Bouchard C. Optimal thresholds of visceral adipose tissue for the identification of cardiometabolic risk in white and African-American adults. Obesity 2012: 30<sup>th</sup> Annual Scientific Meeting. September 20-24, 2012. San Antonio, Texas.
- (839) Perusse L, Chouinard-Decorte F, Lemieux S, Vohl M-C, Bouchard C, Tremblay A. Impact of DRD2/ANKK1 gene variants on eating behaviors and adiposity in the Quebec Family Study. Obesity 2012: 30<sup>th</sup> Annual Scientific Meeting. September 20-24, 2012. San Antonio, Texas.
- (840) Thomas D, Bouchard C, Church T, Slentz CA, Kraus WE, Redman L, Martin C, Silva AM, Vossen M, Westerterp K, Heymsfield SB. Why do individuals not lose more weight from an aerobic exercise intervention at a defined dose? An energy balance analysis. Obesity 2012: 30<sup>th</sup> Annual Scientific Meeting. September 20-24, 2012. San Antonio, Texas.
- (841) Thomas D, Weederman M, Martin CK, Fuemmeler BF, Dhurandhar NV, Heymsfield SB, Bouchard C. Predicting the dynamics of obesity in the United States through infectious disease models. Obesity 2012: 30<sup>th</sup> Annual Scientific Meeting. September 20-24, 2012. San Antonio, Texas.
- (842) Hanin G, Shenhar-Tsarfaty S, Greenberg D, Sklan E, Hoe Y, Rao D, Rankinen T, Bouchard C, Geifman-Shochat S, Soreq H. Mismatched microRNA/acetylcholinesterase interaction as a diagnostic predictor of anxiety disorders. The 21st Annual Meeting of the Israel Society for Neuroscience and The First Binational Australian-Israeli Meeting in Neuroscience. December 15-18, 2012. Eilat. J Mol Neurosci 51(Suppl 1):S116.

- (843) Swift DL, Johannsen NM, Lavie CL, Earnest CP, Johnson WD, Bouchard C, Blair SN, Church TS, Newton RL. Racial differences in the response of cardiorespiratory fitness to aerobic exercise training in Caucasian and African American postmenopausal women. American Heart Association EPI/NPAM Meeting. March 19-22, 2013. New Orleans, LA. P131.
- (844) Thomas DM, Weederman M, Fuemmeler B, Martin C, Dhurandhar N, Bredlau C, Heymsfield SB, Ravussin E, Bouchard C. Dynamic model predicting overweight, obesity, and extreme obesity prevalence trends. Experimental Biology 2013. April 20-24, 2013. Boston, MA. FASEB J 27:360.6.
- (845) Hanin G, Shenhar-Tsarfaty S, Bennett ER, Greenberg DS, Sklan E, Yau YH, Rao DC, Rankinen T, Bouchard C, Geifman-Shochat S, Soreq H. Silenced miR-608/acetylcholinesterase interaction elevates anxiety, inflammation and blood pressure. The 24th Biennial Meeting of the International Society for Neurochemistry and the American Society for Neurochemistry. April 20-24, 2013. Cancun, Mexico.
- (846) Saunders TJ, Tremblay MS, Despres J-P, Bouchard C, Tremblay A, Chaput J-P. Sedentary behaviour, visceral fat and cardiometabolic risk: 6-year longitudinal study from the Quebec Family Study. American College of Sports Medicine 60<sup>th</sup> Annual Meeting. May 28-June 1, 2013. Indianapolis, IN. Med Sci Sports Exer 45(5):101.
- (847) Rankinen T, Wolfarth B, Sarzynski MA, Perusse L, Rauramaa R, Bouchard C. Genome-wide search of DNasequence variants associated with elite endurance athlete status. American College of Sports Medicine 60<sup>th</sup> Annual Meeting. May 28-June 1, 2013. Indianapolis, IN. Med Sci Sports Exer 45(5):528.
- (848) Wolfarth BM, Rankinen T, Sarzynski M, Perusse L, Rauramaa R, Bouchard C. Lack of replication of associations for elite endurance athlete candidate genes in the GENATHLETE Study. American College of Sports Medicine 60<sup>th</sup> Annual Meeting. May 28-June 1, 2013. Indianapolis, IN. Med Sci Sports Exer 45(5):529.
- (849) Chow LS, Jacobs DR, Carnethon MR, Sternfeld B, Schreiner P, Eberly LE, Austin E, Zhu N, Sidney S, Bouchard C, Schreiner PJ. Maintained fitness may especially benefit young adults with high BMI and insulin resistance: The CARDIA study. American Diabetes Association 73rd Scientific Sessions. June 21-25, 2013. Chicago, IL. 1552-P.
- (850) Sung YJ, Schwander K, Arnett DK, Kardina SLR, Rankinen T, Bouchard C, Boerwinkle E, Hunt SC, Rao DC. How effective is meta-analysis as compared to mega-analysis of the pooled data for identifying gene-environment interactions? 22nd Annual Meeting of the International Genetic Epidemiology Society. Sept. 15-17, 2013. Chicago, IL.
- (851) Adel A, Drapeau V, Tremblay A, Bouchard C, Pérusse L. Genetic influences on glycemic index, glycemic load and their relationships with obesity in the Quebec Family Study (QFS). 7<sup>th</sup> Congress of the International Society of Nutrigenetics/Nutrigenomics. October 5-8, 2013. Quebec City, Quebec, Canada. J Nutrigenet Nutrigenomics 6:203.
- (852) Rudkowska I, Pérusse L, Bellis C, Blangero J, Després JP, Bouchard C, Vohl MC. Interaction between common genetic variants and total fat intake on LDL peak particle size: A genome-wide association study. 7<sup>th</sup> Congress of the International Society of Nutrigenetics/Nutrigenomics. October 5-8, 2013. Quebec City, Quebec, Canada. J Nutrigenet Nutrigenomics 6:241.

- (853) Chaput JP, Bouchard C, Tremblay A. Change in sleep duration and visceral fat accumulation over 6 years in adults. 12th International Congress on Obesity. March 17-20, 2014. Kuala Lumpur, Malaysia. *Obes Rev* 15(Suppl 2): 127.
- (854) Justice A, Winkler T, Ngwa J, Czajkowski J, Young K, Hadley D, Graf M, Chasman D, Qi Q, Zillikens MC, Feitosa MF, Ahluwalia TS, Franks P, Kilpelainen TO, Haller T, Monda K, Bouchard C, Heard-Costa NL, Direk N, Tiemeier H, Borecki I, Loos R, North K, Cupples LA. Accounting for smoking behaviour in genome-wide analysis of obesity phenotypes: The Giant (Genetic Investigation of Anthropometric Traits) Consortium. American Heart Association EPI/NPAM Meeting. March 18-21, 2014. San Francisco. P21.
- (855) Sarzynski MA, Rankinen T, Leon AS, Rao DC, Skinner JS, Despres JP, Bouchard C. Changes in HDL particle traits in response to regular exercise: Results from the HERITAGE Family Study. American Heart Association EPI/NPAM Meeting. March 18-21, 2014. San Francisco. P36.
- (856) Rankinen T, Sternfeld B, Sidney S, Bouchard C. Genetic variation in chromosome 8p23 is associated with sedentary behavior in humans. American Heart Association EPI/NPAM Meeting. March 18-21, 2014. San Francisco. P255.
- (857) Collins PB, Bouchard C, Lightfoot, JT. Differences in Msra and Mtmr9 protein expression in high- and low-active mouse strains. American College of Sports Medicine Annual Meeting, Med Sci Sports Exer, May Supplement 2015, P327.
- (858) Pérusse L., Tremblay A., Després J-P., Bouchard C. Role of genetic factors in explaining the clustering of abdominal obesity, inflammation and cardiometabolic risk factors in the Quebec Family Study (2015). *CMReJournal* July 2015 7(1):10.
- (859) Sarzynski MA, Rankinen T, Burton J, Mikus CR, Blair SN, Church TS, Després JP, Hagberg JM, Kraus WE, Leon AS, Rao DC, Seip RL, Skinner JS, Slentz CA, Thompson PD, Wilund KR, Bouchard C. Regular exercise improves the lipoprotein subclass profile determined by nuclear magnetic resonance: meta-analysis of 10 exercise training intervention groups. Poster presentation at AHA Cardiovascular Disease, Epidemiology and Prevention / Lifestyle and Cardiometabolic Health 2015 Scientific Sessions in Baltimore, MD.
- (860) Bouchard C and collaborators. Plasma steroids and cardiorespiratory fitness response to regular exercise. In Symposium on Hormones, Metabolism and the Benefits of Exercise. Fondation IPSEN, Paris, France, December 2016.
- (861) Sarzynski MA, Church TS, Hagberg JM, Landers-Ramos R, Leon AS, Rao DC, Seip RL, Skinner JS, Thompson PD, Wilund KR, Bouchard C. Effects of Regular Endurance Exercise on GlycA: Results Across Four Exercise Training Studies. Moderated poster presentation at AHA Cardiovascular Disease, Epidemiology and Prevention / Lifestyle and Cardiometabolic Health 2016 Scientific Sessions in Phoenix, AZ.
- (862) R. Jacob, A. Tremblay, C. Bouchard, V. Drapeau, V. Provencher, L. Pérusse. Impact of eating behaviour traits in genetic susceptibility to obesity. Annual Meeting of Institute of Cardiometabolism and Nutrition, Paris, December 2016, P 42.
- (863) Ross LM, Church TS, Blair SN, Durstine JL, Hagberg JM, Martin CK, Rankinen T, Ross R, Bouchard C, Sarzynski MA. Prevalence of VO<sub>2</sub>max Low Response Across Nine Aerobic

- Exercise Interventions. Oral presentation at the American College of Sports Medicine Annual Meeting, Denver, CO. June 2, 2017. *MSSE* 49(5S):838, May 2017.
- (864) Sarzynski MA, Barupal DK, Showalter MR, Barber JL, Ruiz-Ramie JJ, Bouchard C, Fiehn O. Changes in the HDL Lipidome With Regular Exercise: A Pilot Study. Poster presentation at AHA, Atherosclerosis, Thrombosis and Vascular Biology 2018 Scientific Sessions.
  - (865) Ghosh S, Sarzynski MA, Bouchard C. Genetics of Intrinsic Cardiorespiratory Fitness, A Regulator Of Obesity-Related Cardiovascular Risk. The Obesity Society Annual Meeting, Nashville, TN 2018.
  - (866) Barber JL, Zellers KN, Barringhaus KG, Bouchard C, Spinale FG, Sarzynski MA. The Effects of Exercise Training on Cardiovascular-related Circulating MicroRNAs. Poster presentation at Integrative Biology of Exercise Conference, San Diego, 2018.
  - (867) Bouchard C, Joyner M, Lightfoot. Debate: Do genetics really influence exercise capacity or trainability? ACSM Conference on Integrative Physiology of Exercise, San Diego, CA, September 2018.
  - (868) Robbins JM, Herzig M, Morningstar JE, Wilson J, Sarzynski MA, Bouchard C, Rankinen T, Gerszten RE. Dimethylguanidino Valeric Acid Predicts Partial Resistance To The Metabolic Health Benefits Of Regular Exercise. Oral presentation at AHA Scientific Sessions 2018. JM Robbins – Finalist for the Young Investigator Award.
  - (869) Sarzynski MA, Church TS, Hagberg JM, Landers-Ramos R, Leon AS, Rao DC, Seip RL, Skinner JS, Thompson PD, Wilund KR, Bouchard C. Effects of Regular Endurance Exercise on GlycA: Results Across Four Exercise Training Studies. Moderated poster presentation at AHA Cardiovascular Disease, Epidemiology and Prevention / Lifestyle and Cardiometabolic Health 2018 Scientific Sessions.
  - (870) Barber JL, Smoker BA, Bouchard C, Olivier M, Sarzynski MA. Comparison of HDL and whole plasma proteomes. Poster presentation at HDL International Workshop, Valencia, Spain Sept. 26, 2019.
  - (871) Ruiz-Ramie JJ, Bouchard C, Sarzynski MA. Association of Cardiovascular Disease Risk Factors with Discordance of HDL Cholesterol Versus Particle Concentration in the HERITAGE Family Study. Poster presentation at HDL International Workshop, Valencia, Spain Sept. 26, 2019.
  - (872) Sarzynski MA, Ruiz-Ramie JJ, Barber JL, Robbins JM, Clish CB, Gerszten RE, Barupal DK, Showalter MR, Fiehn O, Bouchard C. Exercise Alters the Plasma Lipidomic Profile. Poster presentation at AHA's Vascular Discovery: From Genes to Medicine, Boston, 2019
  - (873) Barber JL, Ruiz-Ramie JJ, Clarkson WA, Olivier M, Bouchard C, Rohatgi A, Sarzynski MA. Association of Exercise-Induced Changes in Cholesterol Efflux Capacity with Changes in the HDL Proteome. AHA's Vascular Discovery: From Genes to Medicine 2019, Boston, MA
  - (874) Robbins JM, Peterson B, Morningstar JE, Rankinen T, Sarzynski MA, Bouchard C, Gerszten RE. Glycine Levels Are Associated With Improvements In Submaximal Blood Pressure Response After Endurance Exercise Training. Oral presentation at AHA Scientific Sessions 2019.



- (875) Takeshita L, Davidsen PL, Herbert JM, Antczak P, Hesselink MKC, Schrauwen P, Rice TK, Weisnagel SJ, Bergman RN, Rao DC, Robbins JM, Gerszten RE, Ghosh S, Sarzynski MA, Bouchard C, Falciani F. Genomics and transcriptomics landscapes associated to changes in insulin sensitivity in response to exercise. Presentation at Functional Genomics to Systems Biology EMBL (European Molecular Biology Laboratory) virtual conference, November 2020.
- (876) Sarzynski MA, Barber JL, Ruiz-Ramie JJ, Robbins JM, Gerszten RE, Leon AS, Rao DC, Skinner JS, Bouchard C. Patterns of high and low response to regular exercise across multiple clinically relevant traits. American College of Sports Medicine Annual Meeting. *Medicine and Science in Sports and Exercise* 2020 52(7S): 480–481.
- (877) Ruiz-Ramie JJ, Lane-Cordova AD, Wilkins JT, Bouchard C, Sarzynski MA. Discordance between LDL Cholesterol versus Particle Concentration and the Cardiovascular Risk Factor Profile. Poster presentation at the Southeast Regional American College of Sports Medicine Annual Meeting 2020. *Medicine and Science in Sports and Exercise* 2020 52(7S):421-422
- (878) Marini CF, Sisti D, Leon AS, Skinner JS, Sarzynski MA, Bouchard C, Rocchi MB, Piccoli G, Stocchi V, Federici A, Lucertini F. Accounting for individual characteristics makes the %HRR-% $\dot{V}O_2R$  relationship neither 1:1 nor more accurate. Poster presentation at the European College of Sports Science Congress, September 2021.
- (879) Jones A, Barber JL, Ayala EJ, Schwartz CS, Clarkson WA, Skinner JS, Bouchard C, Sarzynski MA. Cardiorespiratory fitness at baseline and in response to training across metabolic health and weight phenotypes. Poster Presentation at SEACSM virtual meeting Feb 2021 and American College of Sports Medicine Annual Meeting, June 2021.
- (880) Ayala EJ, Barber JL, Schwartz CS, Robbins JM, Gerszten RE, Wang X, Skinner JS, Bouchard C, Sarzynski MA. Clinical Predictors of  $\dot{V}O_2$ max Response to Endurance Training: HERITAGE Family Study. Poster Presentation at SEACSM virtual meeting Feb 2021 and American College of Sports Medicine Annual Meeting, June 2021.
- (881) Calderon II FA, Andrews CM, Vellers HL, Verhein KC, Burkholder AB, Lightfoot JT, Sarzynski MA, Bouchard C, Kleeberger SR. Characterization Of Mitochondrial Genome Indels In Individuals Classified By High And Low  $\dot{V}O_{2max}$  Trainability. Poster presentation at American College of Sports Medicine Annual Meeting, June 2021
- (882) Barber JL, Cai G, Robbins JS, Rao P, Gerszten RE, Bouchard C, Sarzynski MA. Proteomic Predictors of High-Density Lipoprotein Cholesterol Response to Regular Exercise. Poster Presentation at the American Heart Association Epi/Lifestyle Scientific Sessions, May 2021
- (883) Robbins JM, Rao P, Mi M, Deng S, Keyes M, Katz D, Beltran PM, Tahir UA, Barber JL, Farrell L, Clish C, Sarzynski MA, Bouchard C, Gerszten RE. Plasma proteomic profiling of endurance exercise identifies changes in extracellular matrix biology associated with  $\dot{V}O_2$ max adaptations. Oral presentation at AHA annual sessions 2021.
- (884) Jones A, Barber JL, Skinner JS, Bouchard C, Sarzynski MA. Differences in Body Composition at Baseline and in Response to Exercise Training by Metabolic Health and Weight Status. Oral presentation at AHA Epi/Lifestyle meeting May 2021.
- (885) Clarkson WA, Barber JL, Reasons RJ, Hamid Z, Dev PK, Schwartz CS, Wallis K, Robbins JM, Bouchard C, Gerszten RE, Olivier M, Rohatgi A, Sarzynski MA. Association between cholesterol

- efflux capacity and HDL-sized and whole plasma proteins in the HERITAGE Family Study. Oral presentation at Don Fredrickson Lipid Research Conference, Durham, NC, Sept. 2022.
- (886) Clarkson WA, Barber JL, Robbins JM, Rao P, Mi M, Dev PK, Ghosh S, Clish C, Katz DH, Gerszten RE, Bouchard C, Sarzynski MA. Associations of Changes in Plasma Proteins and Body Composition Traits in Response to Endurance Training. Oral Presentation at American College of Sports Medicine Annual Meeting San Diego, CA June 2022.
  - (887) Miranda Maravi JS, Clarkson WA, Barber JL, Schwartz CS, Dev PK, Robbins JM, Gerszten RE, Clish C, Bouchard C, Sarzynski MA. Association of Lipid Species Measured in HDL-sized and Whole Plasma. Poster Presentation at Annual Biomedical Research Conference for Minoritized Scientists (ABRCMS), Anaheim, CA, November 2022.
  - (888) Barber JL, Cai G, Robbins JM, Rao P, Mi M, Ghosh S, Clish C, Katz DH, Bouchard C, Gerszten RE, Sarzynski MA. Proteomic landscape of plasma lipoprotein responses to regular exercise. Poster presentation at American Heart Association Scientific Sessions, Chicago, IL, November 2022.
  - (889) Clarkson WA, Barber JL, Robbins JM, Cai G, Rao P, Mi M, Dev PK, Ghosh S, Clish C, Katz DH, Bouchard C, Gerszten RE, Sarzynski MA. Associations Between Plasma Proteins with Body Composition Traits and Their Responses to Exercise Training. Poster presentation at American Heart Association Scientific Sessions, Chicago, IL, November 2022.
  - (890) Dev PK, Barber JL, Clarkson WA, Robbins JM, Rao P, Mi M, Ghosh S, Clish C, Katz DH, Bouchard C, Gerszten RE, Sarzynski MA. Associations Between Plasma Metabolites with Body Composition Traits and Their Responses to Exercise Training. Poster presentation at American Heart Association Scientific Sessions, Chicago, IL, November 2022.
  - (891) Hoffman WG, Barber JL, Dev P, Clarkson WA, Cai G, Rao P, Mi M, Katz DH, Ghosh S, Clish C, Robbins JM, Bouchard C, Gerszten RE, Sarzynski MA. Association of Plasma Metabolites With Inflammatory Markers CRP and GlycA and Their Responses to Exercise Training. Poster presentation at American Heart Association Scientific Sessions, Chicago, IL, November 2022.
  - (892) Meyler S, Bottoms L, Bouchard C, Dalleck L, Hunter B, Sarzynski M, Whyatt C, Williams C, Muniz-Pumares D. The effect of different methods of exercise intensity prescription on cardiorespiratory fitness following endurance training: a meta-analysis of individual participant data. *Europhysiology* 2022, Sept 17 2022, Copenhagen, Denmark
  - (893) Hoffman WG, Chen YQ, Schwartz CS, Barber JL, Clarkson WA, Dev PK, Reasons RJ, Silbernagel G, Konrad RJ, Bouchard C, Sarzynski MA. Effects of Exercise Training on ANGPTL3/8 and 4/8 and their Associations with Lipid and Cardiometabolic Traits. Poster presentation at Don Fredrickson Lipid Research Conference, Durham, NC, Sept. 2022.
  - (894) Barber JL, Cai G, Robbins JM, Rao P, Mi M, Ghosh S, Clish C, Katz DH, Gerszten RE, Bouchard C, Sarzynski MA. Exercise Training-Induced Changes in Lipid Traits are Associated with Changes in Circulating Proteins and Metabolites. [JL Barber: Doctoral Student Award Finalist.] Poster Presentation at Southeast Regional American College of Sports Medicine Annual Meeting, Greenville, SC February 2022 and ACSM Annual Meeting, San Diego, CA June 2022
  - (895) Dev PK, Barber JL, Cai G, Robbins JM, Rao P, Mi M, Ghosh S, Clish C, Katz DH, Gerszten RE, Bouchard C, Sarzynski MA. Exercise Training Slows Down Proteomic Age Acceleration in

Middle-Aged to Older Adults: HERITAGE Family Study. Poster Presentation at Southeast Regional American College of Sports Medicine Annual Meeting, Greenville, SC February 2022 and ACSM Annual Meeting, San Diego, CA June 2022

- (896) Schwartz CS, Charchar FJ, Barber JL, Robbins JM, Rao P, Mi M, Ghosh S, Bouchard C, Gerszten RE, Sarzynski MA. Genetically-estimated telomere length weakly associates with body composition and metabolic profiles but not cardiorespiratory fitness. Poster Presentation at Southeast Regional American College of Sports Medicine Annual Meeting, Greenville, SC February 2022 and ACSM Annual Meeting, San Diego, CA June 2022
- (897) Reasons RJ, Hamid Z, Barber JL, Kass AI, Clarkson WA, Dev PK, Wallis K, Bouchard C, Robbins JM, Gerszten RE, Olivier M, Sarzynski MA. Association between the HDL-sized and circulating plasma proteomes. Presentation at American Heart Association Vascular Discovery: From Genes to Medicine Scientific Sessions, Seattle, WA May 2022.
- (898) Clarkson WA, Barber JL, Robbins JM, Rao P, Mi M, Dev PK, Ghosh S, Clish C, Katz DH, Gerszten RE, Bouchard C, Sarzynski MA. Associations of Changes in Plasma Proteins and Body Composition Traits in Response to Endurance Training. Poster Presentation at Southeast Regional American College of Sports Medicine Annual Meeting Greenville, SC February 2022.
- (899) Barber JL, Cai G, Dev PK, Robbins JM, Rao P, Mi M, Ghosh S, Clish C, Katz DH, Gerszten RE, Bouchard C, Sarzynski MA. Association Of Plasma Proteome With Inflammatory Markers Crp And Glyca And Their Responses To Exercise Training. Poster Presentation at American Heart Association Epi/Lifestyle Scientific Sessions, Chicago, IL March 2022.
- (900) Barber JL, Cai G, Robbins JM, Rao P, Mi M, Ghosh S, Clish C, Katz DH, Gerszten RE, Bouchard C, Sarzynski MA. Proteomic and Metabolomic Signatures of Plasma Triglyceride-Related Trait Responses to Regular Exercise. Poster Presentation at American Heart Association Epi/Lifestyle Scientific Sessions, Chicago, March 2022
- (901) Dev PK, Leszczynski EC, Schwartz C, Barber JL, Ghosh S, Gerszten RE, Olivier M, Rohatgi A, Clish CB, Bouchard C, Sarzynski MA. Association of HDL lipid classes and HDL traits before and after exercise training: HERITAGE Family Study. Oral presentation at Don Fredrickson Lipid Research Conference, Nashville, TN, Sept. 2023.
- (902) Barber JL, Rao P, Mi MY, Tahir UA, Dev PK, Bouchard C, Clish CB, Robbins, JM, Sarzynski MA, Gerszten RE. Phenotypic Manifestations of Polygenic Risk for Ischemic Stroke in Adults Free from Disease. Poster Presentation at American Heart Association Scientific Sessions, Philadelphia, PA, November 2023
- (903) Rao P, Barber JL, Mi M, Tahir UA, Deng S, Farrell LA, Dev PK, Bouchard C, Clish C, Sarzynski MA, Robbins JM, Gerszten RE. Large-scale plasma proteomics and Mendelian Randomization of cardiovascular performance and peak arteriovenous oxygen difference identify novel biology related to  $\dot{V}O_{2max}$ . Poster presentation at American Heart Association Scientific Sessions, Philadelphia, PA, November 2023.
- (904) Fredrickson K, Manish M, Barber J, Deng S, Rao P, Mi M, Dev PK, Farrell L, Clish C, Bouchard C, Gerszten RE, Sarzynski MA, Robbins JM. Antibody-Based Plasma Proteomics Profiling Reveals New Markers of Cardiorespiratory Fitness. Poster presentation at American Heart Association Scientific Sessions, Philadelphia, PA, November 2023.

- (905) Meyler S, Swinton PA, Bottoms L, Bouchard C, Dalleck LC, Hunter B, Sarzynski MA, Wellsted D, Williams CJ, Muniz-Pumares D. Changes in cardiorespiratory fitness following exercise training prescribed relative to physiological thresholds and to traditional intensity anchors. Poster Presentation at European College of Sport Science Annual Congress, Paris, France July 2023
- (906) Falahati A, Wolfarth B, Rauramaa R, Sarzynski MA, Bouchard C, Vellers HL. Mitochondrial Genome Characterization in Male World-Class Elite Endurance Athletes. Poster Presentation at American College of Sports Medicine Annual Meeting, Denver, CO June 2023
- (907) Miranda Maravi JS, Schwartz CS, Dev PK, Barber JL, Reasons RJ, Pearce RW, McPhaul MJ, Gerszten RE, Rohatgi A, Bouchard C, Collier TS, Sarzynski MA. HDL Apolipoproteomic Score, Cardiometabolic Risk, and Exercise Training. Poster presentation at the 2023 American Heart Association Vascular Discovery: From Genes to Medicine Scientific Sessions, Boston, MA, May 2023
- (908) Miranda Maravi JS, Hoffman WG, Dev PK, Barber JL, Schwartz CS, Clarkson WA, Robbins JM, Rao P, Mi M, Ghosh S, Clish C, Silbernagel G, Chen YQ, Konrad RJ, Bouchard C, Gerszten RE, Sarzynski MA. Plasma Proteomic Signatures of ANGPTL3/8 and 4/8 Before and After Exercise Training. Presentation at the 2023 American Heart Association Epi/Lifestyle Scientific Sessions, Boston, MA March 2023
- (909) Dev PK, Miranda Maravi JS, Hoffman WG, Barber JL, Schwartz CS, Clarkson WA, Robbins JM, Rao P, Mi M, Ghosh S, Clish C, Silbernagel G, Chen YQ, Konrad RJ, Bouchard C, Gerszten RE, Sarzynski MA. Association of ANGPTL3/8 and 4/8 with Plasma Metabolites Before and After Exercise Training. Presentation at the 2023 American Heart Association Epi/Lifestyle Scientific Sessions, Boston, MA March 2023
- (910) Schwartz CS, Barber JL, Ghosh S, Rohatgi A, Kelesidis T, Bouchard C, Sarzynski MA. Endurance exercise training improves the anti-oxidative properties of high-density lipoproteins (HDL). Poster Presentation at Southeast Regional American College of Sports Medicine Annual Meeting, Greenville, SC February 2023
- (911) Rao P, Peterson C, Barber JL, Mi MY, Chandra MS, Leszczynski EC, Dev PK, Farrell LA, Bouchard C, Sarzynski MA, Robbins JM, Gerszten RE. Sex Differences In Physiological Responses During Acute Exercise: Heritage Family Study. Oral presentation at ACSM Annual Meeting, Boston, MA, May 2024.
- (912) Leszczynski EC, Dev PK, Barber JL, Schwartz C, Rao P, Mi M, Ghosh S, Rohatgi A, Bouchard C, Robbins JM, Gerszten RE, Clish CB, Sarzynski MA. The Correlation of Lipid Species in HDL-sized and Whole Plasma Measured by Mass Spectrometry. Oral presentation at HDL Workshop 2024, Chicago, IL, May 2024
- (913) Ruiz-Ramie JJ, Lane AD, Wang X, Wilkins JT, Bouchard C, Sarzynski MA. The Relationship between Low-Density Lipoprotein Discordance and Exercise Training Induced Changes in Multiple Cardiovascular Disease Risk Factors in the HERITAGE Family Study. Poster presentation at American College of Sports Medicine Annual Meeting, Boston, MA, May 2024
- (914) Leszczynski EC, Dev PK, Barber JL, Rao P, Mi M, Schwartz C, Ghosh S, Clish CB, Silbernagel G, Chen YQ, Konrad RJ, Robbins JM, Bouchard C, Gerszten RE, Sarzynski MA. Metabolomic predictors of changes in triglyceride metabolism with exercise training. Poster presentation at Cell Symposia: Exercise Metabolism, Lisbon, Portugal, May 2024.

- (915) Valakos MG, Barber JL, Leszczynski EC, Rao P, Mi M, Tahir UA, Dev PK, Clish CB, Ghosh S, Robbins JM, Bouchard C, Gerszten RE, Sarzynski MA. Attenuated cardiometabolic benefits from exercise training in individuals with genetically predicted high Lp(a) levels. Poster presentation at Southeast American College of Sports Medicine, Greenville, SC, February 2024.
- (916) Leszczynski EC, Dev PK, Barber JL, Rao P, Mi M, Ghosh S, Clish CB, Bouchard C, Robbins JM, Gerszten RE, Sarzynski MA. Plasma Lipidome Signature of Visceral Fat Reveals Heterogenous Cardiometabolic Risk Profiles. Poster presentation at the 2024 American Heart Association Epi/Lifestyle Scientific Sessions, Chicago, IL March 2024.
- (917) Leszczynski EC, Dev PK, Barber JL, Rao P, Mi M, Ghosh S, Connelly MA, Clish CB, Bouchard C, Robbins JM, Gerszten RE, Sarzynski MA. Association of plasma lipid species with lipoprotein insulin resistance score before and after exercise training. Poster presentation at the 2024 American Heart Association Epi/Lifestyle Scientific Sessions, Chicago, IL March 2024
- (918) Leszczynski EC, Dev PK, Barber JL, Rao P, Ghosh S, Clish CB, Bouchard C, Robbins JM, Gerszten RE, Sarzynski MA. Cholesterol ester 18:2 is an exercise inducible metabolite associated with a favorable cardiometabolic profile. Poster presentation at the 2024 American Heart Association Epi/Lifestyle Scientific Sessions, Chicago, IL March 2024
- (919) Jacobs KJC, Leszczynski EC, Pitre MJ, Schwartz CS, Dev PK, Valakos MG, Rao P, Mi M, Ghosh S, Robbins JM, Gerszten RE, Bouchard C, Sarzynski MA. Exercise training attenuates age-related increases in 10- and 30-year CVD risk: HERITAGE Family Study. Oral presentation at Southeast American College of Sports Medicine Annual Meeting, Greenville, SC, February 2025
- (920) Rao P, Leszczynski EC, Mi MY, Barber JL, Jacobs KJC, Dev PK, Peterson C, Edwards CE, Clish CB, Farrell LA, Ho JE, Lau ES, Ghosh S, Ross R, Bouchard C, Sarzynski MA, Robbins JM, Gerszten RE. Sex Differences In Response to Endurance Training. Moderated poster presentation at the 2025 American Heart Association Scientific Sessions, New Orleans, LA November 2025
- (921) Herzig M, Dev PK, Jacobs KJC, Leszczynski EC, Barber JL, Rao P, Mi M, Ghosh S, Clish CB, Bouchard C, Gerszten RE, Robbins JM, Sarzynski MA. Endurance Exercise Modifies Organ-Specific Proteomic Aging Scores: Insights from the Heritage Family Study. Poster presentation at the 2025 American Heart Association Scientific Sessions, New Orleans, LA November 2025
- (922) Leszczynski EC, Jacobs KJC, Dev PK, Schwartz CS, Barber JL, Pitre MJ, Rohatgi A, Bouchard C, Lauc G, Sarzynski MA (presenter). Association of the HDL-enriched Glycome with Cardiometabolic Risk Factors. Poster Presentation at HDL Workshop, April 2025, Baltimore, MD.
- (923) Leszczynski EC, Jacobs KJC, Schwartz CS, Dev PK, Ghosh S, Rohatgi A, Olivier M, Sato M, Zubiran R, Clish CB, Lauc G, Bouchard C, Neufeld E, Remaley A, Sarzynski MA. Multi-Omics Characterization of HDL-Specific Phospholipid Efflux. Poster Presentation at HDL Workshop, April 2025, Baltimore, MD.
- (924) Leszczynski EC, Barber JL, Rao P, Jacobs KJC, Mi M, Dev PK, Schwartz CS, Ghosh S, Bouchard C, Clish CB, Robbins JM, Gerszten RE, Sarzynski MA. Sex Differences in the Plasma Metabolome Before and After Exercise Training. Poster presentation at the 2025 American Heart Association Epi/Lifestyle Scientific Sessions, New Orleans, LA March 2025

- (925) Jacobs KJC, Leszczynski EC, Barber JL, Rao P, Mi M, Dev PK, Ghosh S, Clish CB, Bouchard C, Robbins JM, Gerszten RE, Sarzynski MA. Plasma proteomic signature of BMI reveals heterogeneous cardiometabolic risk profiles within and across standard BMI classifications. Moderated poster presentation at the 2025 American Heart Association Epi/Lifestyle Scientific Sessions, New Orleans, LA March 2025
- (926) Herzig M, Dev PK, Jacobs KJC, Leszczynski EC, Barber JL, Rao P, Mi M, Ghosh S, Clish CB, Bouchard C, Gerszten RE, Robbins JM, Sarzynski MA. Plasma proteomic signatures of organ aging are not responsive to exercise training: HERITAGE Family Study. Poster presentation at the 2025 American Heart Association Epi/Lifestyle Scientific Sessions, New Orleans, LA March 2025
- (927) Valakos MG, Leszczynski EC, Jacobs KJC, Barber JL, Rao P, Mi M, Dev PK, Ghosh S, Clish CB, Bouchard C, Robbins JM, Gerszten RE, Sarzynski MA. Metabolomic signature of Lp(a) is related to cardiometabolic profile and exercise responsiveness in healthy adults. Poster presentation at Southeast American College of Sports Medicine Annual Meeting, Greenville, SC, February 2025

## 9. Other Publications

- (1) Bouchard, C. Deux ouvrages récents en éducation physique. Mouvement 1: 197-199, 1966.
- (2) Bouchard, C., J. Brunelle et J.-C. Houde. Le gouverneur général du Canada à l'émission "En mouvement". CAHPER Journal, 36(3): 28-29, 1970.
- (3) Bouchard, C., J. Brunelle et P. Godbout. La valeur physique et les éléments de programmation en éducation physique. Québec: Rapport technique, Université Laval, 1970, pp. 95.
- (4) Bouchard, C. et P. Godbout. Inventaire des moyens disponibles pour évaluer les facteurs de la valeur physique. Phase I. 22 sections covering measurements of physique, body composition, muscular strength and power, cardiorespiratory endurance, anaerobic power, flexibility, movement speed, neuromuscular coordination, and other fitness related traits. Rapports techniques, Quebec, Université Laval, 1970.
- (5) Bouchard, C., P. Godbout, R. Asselin et J. C. Mondor. Inventaire des moyens disponibles pour évaluer les facteurs de la valeur physique. Phase II: Les programmes types pour usage dans la réfection et la construction des tests. Rapport technique de recherche, Québec: Université Laval, 1970.
- (6) Bouchard C. Proceedings of the International Conference on Quantitative Genetics. Edited by: E. Pollack, O. Kempthorne and T.B. Bailey, Jr., Iowa State University Press, 1977, 872 pp. Human Biology, 52: 581-582, 1980 (book review).
- (7) Bouchard, C. "Human Adaptation. A functional interpretation", by A.R. Frisencho, Mosby, St. Louis, 1979, 209 pp. Human Biology, 53: 281-283, 1981 (book review).
- (8) Bouchard, C. "Human Physiological Work Capacity" by R.J. Shephard, Cambridge University Press, 1978, 303 pp. Human Biology, 53: 481-484, 1981 (book review).

- (9) Bouchard, C. Adaptation to maximal effort. Acta Genet. Med. Gemellol., 35: 119-120, 1986 (letter to the editor).
- (10) Himes, J.H. and C. Bouchard. Response from Himes and Bouchard. American Journal of Public Health, 77(1): 94, 1987 (letter to the editor).
- (11) Bouchard, C. & R.M. Malina. L'Homme, son évolution, sa diversité: manuel d'anthropologie physique. Human Biology, 60 (2): 352-353, 1988 (Book review).
- (12) Bouchard, C. Here are 13 reasons why we should promote exercise. The Medical Post, 24 (28): 32, 1988.
- (13) Bouchard, C. Preface: Racial differences in performance. Canadian Journal of Sport Sciences, 13 (2): 103, 1988.
- (14) Bouchard, C. Genetics and adaptation to training. New horizons of human movement: 84-90, (1988 Seoul Olympic Scientific Congress, September 1988).
- (15) Bouchard, C. Genetic influences on body composition and regional fat distribution. Contemporary Nutrition 15: Nr 10, 1990.
- (16) Bouchard, C. and O. Dériaz. Reply to R. Swaminathan. Letters to the Editor. The American Journal of Clinical Nutrition. 56: 3, September 1992.
- (17) Shephard, R.J. and Bouchard, C. Letter to the Editor. Canadian Journal of Applied Physiology. Vol. 19, No 1, March 1994.
- (18) Bouchard, C. The genetic link: are we born to be overweight? The Weight Control Digest. Vol. 4, No 2, March/April 1994.
- (19) Bouchard, C. Individual differences in energy intake and food preferences: are they inherited? International Monitor on Eating Patterns & Weight Control. Medicom Europe, First Quarter 1994.
- (20) Bouchard, C. The genetic link: are we born to be overweight? The Weight Control Digest, Vol. 4, March/April 1994.
- (21) Bouchard, C. Génétique et obésité: la génétique et les fondements moléculaires de l'obésité. Actes de symposium. Groupe de travail canadien sur l'étude de l'obésité. Le Clinicien, Supplément 7-12, Janvier 1996.
- (22) Bouchard, C. Advances in the genetic and molecular basis of obesity: new therapeutic perspectives. The Canadian Journal of Obesity. Vol. 2, 3-7, February 1996.
- (23) Bouchard, C. Perdre du poids en marchant. Marche. Fédération québécoise de la marche. Vol. 8, no 2, Hiver 1997.
- (24) Bouchard, C. Obesity: in the genes? Diabetes Dialogue, Annual Research Issue, 44: 14-15, 1997.
- (25) Bouchard, C. The role of genetics in human obesity. Canadian Journal of Diabetes Care, 22: Suppl 1, S3-S4, 1998.

- (26) Bouchard C. Exercise, fitness and health: Areas in which Dr. Shephard made a difference. Health and Fitness Journal of Canada. 4(3):30-32, 2011.
- (27) Bouchard C. "Robert M. Malina: A renaissance man and big picture human biologist." Growth and Maturation in Human Biology and Sports: Festschrift Honoring Robert M. Malina by Fellows and Colleagues. Edited by PT Katzmarzyk PT and MJC e Silva, Coimbra University Press, 2013. pp 15-19 (Prologue).
- (28) Bouchard C. Active voice: Exercise genomics – The passport to personalized exercise medicine! Sports Medicine Bulletin, Aug. 26, 2014.
- (29) Bouchard, C. Coronavirus Advisory: Is there a genetic predisposition to COVID-19? Greater Baton Rouge Business Report. 19 May 2020.
- (30) Bouchard, C. Alle Radici del Peso. (The Causes of Obesity) IN: Ricerca Roche, 27: 25-27, marzo 2000.
- (31) Seidell J.C., Bouchard C. Abdominal adiposity and risk of heart disease. JAMA. 281:2284, June 23-30, 1999
- (32) Rankinen T and Bouchard C. Dose-response issues concerning the relations between regular physical activity and health. President's Council on Physical Fitness and Sports Research Digest Series 3, No. 18, September 2002.
- (33) Bouchard C. Low fitness and sedentariness predict mortality in Type 2 diabetes. International Diabetes Monitor; Clinical Review; Vol 12, No. 6, pg. 5-6, 2000.
- (34) Bouchard C. Obesity and weight loss. In: SK Powers and SL Dodd, editors. Total Fitness and Wellness 3<sup>rd</sup> Edition. Benjamin Cummings, San Francisco, CA, 2003, Ask an Expert pg. 196.
- (35) Lakka T and Boucahrd C. Genetics, physical activity, fitness and health: What does the future hold? J of the Royal Society for the Promotion of Health Vol 124, No. 1.
- (36) Bouchard, C. Foreword. In: Oja P and Borms J, eds. Health Enhancing Physical Activity. Oxford: Meyer and Meyer Sport; 2004: 15-16. In series: Perspectives: the Multidisciplinary Series of Physical Education and Sport Science, Volume 6.
- (37) Bouchard C, Rankinen T. Genetics and Obesity: What does it mean to the clinician? Obesity Management 1(3): 100-4, 2005.
- (38) Udall JN Jr, Moore CV, Norton BA, Bouchard C. Special issue: obesity in Louisiana. J La State Med Soc 157 Spec No 1:S2, 2005.
- (39) Malinowski MJ, Knoppers BM, Bouchard C. Symposium: Proceedings of "The Genomics Revolution? Science, Law and Policy." Louisiana Law Review Vol. 66, Special Issue, pp 1-7, December 2005.
- (40) Lakka TA, Lakka HM, Rankinen T, Bouchard C. Exercise and inflammation: reply. Eur Heart J 27(11): 1385-6, 2006.



- (41) Bouchard C and Rankinen T. Are people physically inactive because of their genes? President's Council on Physical Fitness and Sports Research Digest Series 7, No. 2, pp. 1-8, June 2006.
- (42) Bouchard, C. Time to Move On. Obesity 15(4): 797, 2007.
- (43) Bouchard C. A focus on pediatric obesity is imperative, and IJPO is a timely new publication. International Journal of Pediatric Obesity 1(1):3-4, 2006.
- (44) Bouchard C. Letter to the Editor, Response to "The thrifty gene hypothesis: maybe everyone is right?" International Journal of Obesity, 32 (4): 725-26, 2008.
- (45) Bouchard C. Is there a genetic predisposition to obesity and metabolic syndrome? Chinese Medical Journal, 121(S2): 5, 2008.
- (46) Bouchard C, Agurs-Collins T (guest editors). Gene-Nutrition and Gene-Physical Activity Interactions in the Etiology of Obesity Workshop. Supplement to Obesity 16(S3), 2008.
- (47) Bouchard C. La recherche au PEPS de 1970 à 2000: une source de progrès en sciences de l'activité physique. 26ième congrès de l'Association Québécoise des Sciences de l'Activité Physique, Québec, Université Laval, (Congrès virtuel), Avril 2021.
- (48) Katzmarzyk PT, Bouchard C. In memoriam: Roy J. Shephard, MD, PhD, DPE (1929-2023). Am J Hum Biol. 2023 Aug;35(8):e23959. doi: 10.1002/ajhb.23959. Epub 2023 Jul 11. PMID: 37431572.

## **10. Committee and Board Memberships**

### **a) Editorial Boards**

Editorial Board of Mouvement, 1966-1975.

Editorial Board of Kinanthropologie, 1968-1972.

Editorial Board of Canadian Journal of Applied Sport Sciences, 1981-1984.

Editorial Board of Yearbook of Physical Anthropology, 1982-1990.

Editorial Board of Human Biology, 1982-1986, 1990-1995.

Editorial Board of American Journal of Human Biology, 1988-1992.

Editorial Board of International Journal of Obesity, 1986-1994.

Editorial Board of Medicine and Science in Sports and Exercise, 1992-1996.

Editorial Board of Bulletins et Mémoires de la Société d'Anthropologie de Paris, 1993-2005.

Editorial Board of Obesity Research, 1993-2000.

Editorial Board of Obesity Surgery, 1995-2008.

Editorial Board of the International Journal of Human Genetics, 2000-2010

Editorial Board of JOURNAL OF INTERNAL MEDICINE, 2006-2018

## **b) Committee Memberships**

Member of the Board and of the Research Committee of the Canadian Association of Sport Sciences, 1967-1970, and 1984-1987. President of the Canadian Association of Sport Sciences, 1985-1986.

Member of a Department of Education Committee on physical education in high school, Government of Quebec, 1965-1966.

Member of a Department of Education Committee on programs to train technical staff in sports and leisure activities, Government of Quebec, 1965-1967.

Member of the Council of Faculty of Educational Sciences, Universite Laval, 1966-1973.

Co-anchor (with Jean Brunelle) of a televised series on the French network of Societe Radio Canada titled 'En Mouvement' focused on physical activity, nutrition and health; 1,500 episodes from 1968 to 1977.

Co-anchor of a televised series on the French network of SRC across Canada titled 'En Mouvement' focused on physical activity, nutrition and health; 1,500 episodes from 1968 to 1977.

Member of Department of Education Committee on measurement and evaluation in physical education. Government of Quebec, 1968-1969.

Member of the tripartite CIEPS-ICHPER-FIMS on exercise and sport sciences research programs at the international level, 1969-1971.

Chair of the Research Committee of the International Council for Health, Physical Education and Recreation (ICHPER), 1970-1973.

Member of Review Committee on scholarships in education and physical education. Ministere de l'education, Gouvernement du Quebec, 1971-1973.

Member of the Canadian Olympic Association, 1973-1976.

President of Government of Quebec Commission on Participation of Quebec Athletes and Officials to the Montreal 1976 Olympic Games, 1972-1973.

Vice-President of l'Association des professionnels de l'activité physique du Québec (APAPQ), 1972.

Member of Executive Committee and Board of Directors de la Confédération des sports du Québec (CSQ), 1972-1973.

Member of Organizing Committee of a Canadian Forum on Sport and Physical Activity in Youth. Kingston, ON, 1972-1973.

President of Government of Quebec Commission on Physical Activity Participation and Physical Fitness Level of Quebec Residents. The findings of the Commission led to the creation of Kino-Quebec. 1973-1974.

Chair of Committee on the quantification of physical activity energy expenditure, Kino-Québec, Government of Québec, 1979.

Founding member and first Président of l'Association des diplômés et diplômées en éducation physique de l'Université Laval (ADDEPUL), 1980-1982.

Member of the Canadian Association of Sports Sciences Tsk Force on Standardization of Testing of Athletes. 1980-1982.

Co-Chair (with G Glassford) of Scientific Board of the Canada Fitness Survey, 1980-1985.

Member of the Executive Committee and Board of the North American Society for the Study of Obesity (now The Obesity Society), 1984-1998, Vice-president 1989-1990, President 1991-1992.

Member of the Scientific Commission of the IVth International Congress on Auxology, Montréal, 1985.

Co-Organizer (with Frank Johnson) of international Symposium on "Fat distribution during growth and later health outcomes," Lac Beauport, Québec, 1987.

Chair of Graduate Program Review Committee of Département d'éducation physique de l'Université de Montréal, 1987-1988.

Member of International Workshop on Human Eating Behavior, Paris, 1980.

Member of the Executive Board of the International Association for the Study of Obesity, 1987-1994, vice-president, 1992-1998, President-Elect, 1998-2002, President, 2002-2006.

Member of the Organizing Committee and Chair of the Program Committee of the International Consensus Conference on Exercise, Fitness and Health, Toronto, 1988.

Member of Planning Committee for a new Life and Health Sciences Building, Université Laval, 1987-1989.

Member of Review Committee of Doctoral Program in Physiothérapie, McGill University, 1988.

Co-President (with George A. Bray) of the Symposium on Regional Fat Distribution: Basic and Clinical Implications, National Institutes of Health, Bethesda, 1989.

Member of the Organizing Committee and Chair of the Program Committee of the International Consensus Symposium on Physical Activity, Fitness and Health, Toronto, 1992.

Member of the Board of Trustees of the American College of Sports Medicine, 1989-1992.

Member of the Organizing Committee and Chair of the Program Committee of the 7th International Congress on Obesity Research, Toronto, 1994.

Advisory Committee Member, Pennington Biomedical Research Center, Baton Rouge, Louisiana, 1994-1999.

Member of the National Heart, Lung and Blood Institute (NHLBI), NIH, Bethesda, panel of experts on defining genetic research strategies and priorities for the future, 1991-1993.

Member of the International Relations Committee of the American College of Sports Medicine 1988-1994.

Co-chair person of a working group in the workshop on Physical Activity and Cardiovascular Health: special emphasis on women and youth sponsored by the National Heart, Lung, and Blood Institute, NIH, Bethesda, August 1991.

Member of the Scientific Advisory Board of Cooper Aerobics Research Institute, 1992-2007

Member of the International Scientific Committee of the 1997 Congress of the International Diabetes Federation, Helsinki, 1994-1997.

Member of the Scientific Committee of the 8th International Congress on Obesity, Paris, 1995-1998.

Co-president (with George A. Bray) of the 1995 Dahlem Workshop on Regulation of body weight: Biological and behavioral mechanisms. Berlin, 1995.

Member of the International Task Force on Obesity of the World Health Organization, 1995-2000.

Member of the Advisory Panel on Weight Control and Risk Factors of the National Heart, Lung and Blood Institute, National Institutes of Health, Bethesda, MD, 1995-2000.

Member of the International Advisory Council, 1996 International Pre-Olympic Scientific Congress, Dallas, Texas, 1994-1996.

Member of the International Obesity Task Force (IOTF). London and Aberdeen, UK, 1996-2002.

Membre du Comité d'évaluation des programmes de maîtrise et doctorat du Département d'histoire de l'Université Laval, 1997.

Chair of the Program and Publication Committee for the Consensus Symposium on the topic of Dose-response issues concerning physical activity and health: an evidence-based symposium, Toronto, October 2000.

Member of United States-Japan Cooperative Medical Science Program; Nutrition and Metabolism Panel, 2004-2010.

Member of the Board, LSU Research and Technology Foundation, 2004-2010.

Chair of the Scientific Program Committee of the International Conference on Physical Activity and Childhood Obesity, Toronto, June 2007.

Co-Chair of the National Cancer Institute Workshop on Gene-Nutrition and Gene-Physical Activity Interactions in the Etiology of Obesity, Bethesda, MD, September 2007.

Member of the National Academies, Institute of Medicine Committee on Reexamination of Pregnancy Weight Guidelines, 2008.

Chair of the Pennington Biomedical Research Center's 20<sup>th</sup> Anniversary Scientific Conference, *The 20 most significant advances in obesity research, prevention and treatment*, Baton Rouge, LA, March 2008.

Member of the Executive Board (let by T Gettys) of a Pennington Biomedical Research Center wide effort to support senior postdoctoral fellows and promising young faculty to research independence with the support of NIH funding, 2011-2021.

Chair of Canadian Foundation for Innovation grant review committee of the Fonds pour la Recherche en Sante du Quebec, Montreal, 2012

Centre Hospitalier Universitaire de Quebec, International Advisory Committee, 2013

G. Edgar Folk Senior Physiologist Award Committee of the American Physiological Society, 2014

Member of the Physical Activity OMICS Group of the planning committee for a potential NIH Common Fund Physical Activity initiative, 2014

NIH Workshop on “Understanding the Molecular Mechanisms of Physical Activity-Induced Health Benefits”, Bethesda, 2014.

Advisor to NIH Common Fund Initiative on Molecular Transducers of Physical Activity, 2015-2019.

Member of advisory panel to the World Anti-Doping Agency (WADA) on potential omics biomarkers of doping. Montreal, November 2016.

**c) Industry Scientific Advisory Boards**

Servier Canada Board of Advisors, Servier Pharmaceuticals, 1995-1999.

Mars Scientific Advisory Board, 1998-2007.

Cooper Aerobic Research Institute Scientific Advisory Board, Dallas, TX, 1992-2007.

Bristol-Myers-Squibb, metabolism panel, 2000-2005.

Weight Watchers International Scientific Advisory Board, 1994-2014.

Institute for Diabetes Discovery, Branford, CT, 1996-2005

Xenical Advisory Council Hoffmann-La Roche Canada, 1996-1999.

Autogen Limited, Melbourne, Australia, 1999-2002

Pathway Genomics Board of Advisors, San Diego, CA, 2011-2014

NIKE, SPARQ Program, Beaverton, OR, 2012-2014