

Subject Matter Expert Directory



Pennington Biomedical Research Center

Pennington Biomedical Research Center in Baton Rouge, Louisiana, is a world-class research facility committed to discovering the triggers of chronic disease. Pursuing improvements to human health across the lifespan, including understanding the causes of obesity, diabetes, cardiovascular disease, cancer and dementia, Pennington Biomedical is a campus of Louisiana State University, and conducts basic, clinical and population resource.

With a network of 44 laboratories and state-of-art-facilities on a 222-acre campus, the heart of Pennington Biomedical is its researchers and staff, supported by lab technicians, nurses and dieticians. The 65 faculty members are leaders in their respective fields and experts in some of today's most fundamental frontiers in health and nutrition. You are encouraged to contact them for context, insights and the latest information for your story.

The Pennington Biomedical Communications team is happy to connect you with the researcher who can provide the best context for your article. Please feel free to reach out to the communications team directly:

Ernie Ballard

Director, Communications and Marketing

225-763-2677

Ernie.ballard@pbrc.edu

Joe Coussan

Media Relations Manager

225-763-3049

Joe.coussan@pbrc.edu



Vance L. Albaugh, M.D., Ph.D.

**Associate Professor of Metabolic Surgery
Metabolic Surgery Lab**

Expertise: Endometrial cancer, Obesity treatments such as metabolic/bariatric surgery and weight-loss drugs; Bile acid metabolism, Gastrointestinal tract

Email: vance.albaugh@pbrc.edu



Tim Allerton, Ph.D.

**Assistant Professor, Vascular Metabolism
Vascular Metabolism Lab**

Expertise: Exercise physiology, Adipocyte Biology, Vascular metabolism, exercise and adaptations of adipose tissue.

Email: timoth.allerton@pbrc.edu



John W. Apolzan, Ph.D.

**Associate Professor - Research, Clinical Science
Director, Clinical Nutrition and Metabolism Laboratory**

Expertise: Nutrition science; Clinical nutrition; Obesity; Nutrition app development

Email: john.apolzan@pbrc.edu

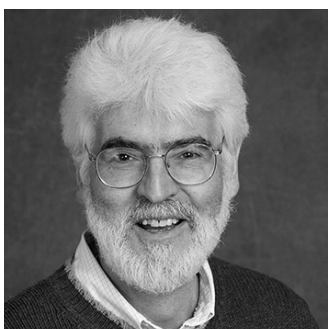


Claire Berryman, Ph.D., R.D.

**Associate Professor, Clinical Science
Director, Nutritional Physiology Lab**

Expertise: Nutritional and environmental Interventions; Low oxygen environments; Time restricted eating

Email: claire.berryman@pbrc.edu



Hans-Rudolf Berthoud, Ph.D.

**George H. Bray Professorship
Professor, Neurobiology & Nutrition
Director, Neurobiology and Nutrition Laboratory**

Expertise: Nervous system in maintaining energy homeostasis; Nutrition intake; Obesity; Anorexia; Gastrointestinal and liver physiology; Gut-brain interactions; Cognitive neurosciences; Taste physiology; Autonomic nervous system

Email: hans.berthoud@pbrc.edu



Robbie A. Beyl, Ph.D.

**Associate Professor, Research
Biostatistics and Data Management Core**

Expertise: Public health data; Statistical research

Email: robbie.beyl@pbrc.edu



Phillip J Brantley, Ph.D.

**John Stauffer McIlhenny Endowed Professorship in Nutrition
Professor, Behavioral Medicine
Director, Behavioral Medicine Lab**

Expertise: Behavioral medicine; Long-term weight loss

Email: phil.brantley@pbrc.edu



Stephanie T. Broyles, Ph.D.

**Associate Professor, Research - Contextual Risk Factors
Contextual Risk Factors Lab**

Expertise: Environmental determinants of health; Rural health; Contextual influences on health and behavior

Email: stephanie.broyles@pbrc.edu



David H. Burk, Ph.D.

**Associate Professor, Research - Cell Biology and Bioimaging
Director, Cell Biology and Bioimaging Core**

Expertise: Cell biology; Immunohistochemistry; Cell and tissue imaging

Email: david.burk@pbrc.edu



Susan J. Burke, Ph.D.

**Assistant Professor, Immunogenetics
Director, Immunogenetics Lab**

Expertise: Type 1 and Type 2 Diabetes; Insulin Resistance; Lipid Metabolism, Glucocorticoid Metabolism; Islet Biology

Email: susan.burke@pbrc.edu



Jennifer Caldwell

Assistant Professor, Research

Director, Population Health Genomics and Health Equity Lab

Expertise: Population health; Public health genomics; Health equity

Email: jennifer.caldwell@pbrc.edu



Owen T. Carmichael, Ph.D.

Professor, Biomedical Imaging

Director, Human Imaging Core

Expertise: Metabolic disorders; Alzheimer's disease; Biomedical imaging; Brain aging; Metabolic disorders

Email: owen.carmichael@pbrc.edu



Catherine M. Champagne, Ph.D., RDN

Professor, Dietary Assessment and Nutrition Counseling

Director, Nutritional Epidemiology Lab

Director, Nutritional Epidemiology, Dietary Assessment and Nutrition Counseling Core

Expertise: Dietary counseling; Dietary intake assessment; Nutrient database; Nutritional epidemiology; DASH diet

Email: catherine.champagne@pbrc.edu



Ji Suk Chang, Ph.D.

Associate Professor

Director, Gene Regulation and Metabolism Lab

Expertise: Gene regulation; Brown adipocyte energy metabolism; Hepatocyte biology; Obesity thermogenesis

Email: jisuk.chang@pbrc.edu



Jason Collier, Ph.D.

Associate Professor

Director, Islet Biology and Inflammation Lab

Expertise: Islet biology and inflammation; Pancreatic beta-cells; Type 1 diabetes

Email: jason.collier@pbrc.edu



Stephania A. Cormier, Ph.D.

Professor, Respiratory Immunology

Director, Respiratory Immunology and Toxicology Lab

Expertise: Respiratory immunology; Environmental factors (i.e. allergens, pollutants, and respiratory viruses) of respiratory disease; Pulmonary microenvironment; Immunology of the infant

Email: stephaniacormier@lsu.edu



Kimberly Drews

Clinical Trialist and Biostatistician

Director, Biostatistics and Data Management Core

Expertise: Biostatistics; Lifestyle interventions for expectant mothers; Type 2 diabetes in adolescents and youth

Email: kimberly.drews@pbrc.edu



Robert Dubin, M.D.

Associate Professor, Research

Expertise: Incretin-based therapies for metabolic diseases; Endocrine diseases in the elderly; Body composition; Obesity

Email: robert.dubin@pbrc.edu



Carrie M. Elks, Ph.D., RD

Assistant Professor, Research

Director, Matrix Biology Lab

Expertise: Tissue function in obesity; Cytokines' effect on adipose tissue, extracellular matrix and insulin sensitivity

Email: carrie.elks@pbrc.edu



Rodrigo Fernandez-Verdejo, Ph.D.

Assistant Professor, Research

Expertise: Effects of physical activity on obesity; Energy balance; Physical activity and metabolic health

Email: rodrigo.fernandez@pbrc.edu



Z. Elizabeth Floyd, Ph.D.

**John S. McIlhenny Endowed Postdoctoral Fellowship Associate
Director, John S. McIlhenny Botanical Research Laboratory
Director, Ubiquitin Biology Laboratory**

Expertise: Ubiquitin biology; Botanical supplementation and insulin sensitivity

Email: elizabeth.floyd@pbrc.edu



Sujoy Ghosh, Ph.D.

**Professor, Functional Genomics Lab
Director, Bioinformatics and Computational Biology Core**

Expertise: Integrative bioinformatics; Genetics/genomics and cardio-metabolic disorders; Biological pathways and interaction networks

Email: Sujoy.Ghosh@pbrc.edu



Frank L. Greenway, M.D.

Chief Medical Officer, Clinical Trials Unit Core

Expertise: Obesity treatments, including diets, herbal supplements, medical foods, devices, and obesity surgery. Obesity drug development; Pharmaceuticals

Email: Frank.Greenway@pbrc.edu

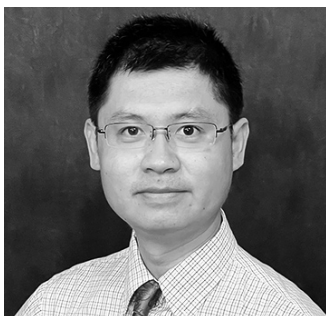


Zubaidah Nor Hanipah

**Associate Professor
Director, Clinical Metabolic Surgery Lab**

Expertise: Obesity; Metabolic disorders; Metabolic and bariatric surgery

Email: zubaidah.nohanipah@pbrc.edu



Yanlin He, Ph.D.

**Associate Professor
Director, Brain Glycemic and Metabolism Control Lab**

Expertise: Novel ion channels; Neural circuits; Neurotransmitters; Glucose sensing; Brain glycemic and metabolism control

Email: yanlin.he@pbrc.edu



Timothy Heden, Ph.D.

Assistant Professor, Basic Science
Director, Molecular Metabolism Lab

Expertise: Molecular metabolism; Molecular basis for cancer, obesity and Type 2 diabetes

Email: timothy.heden@pbrc.edu

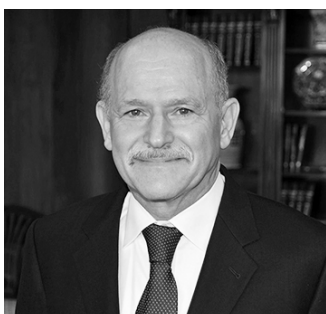


Stephen R. Hennigar, Ph.D.

Assistant Professor, Clinical Science
Director, Micronutrient Metabolism Lab

Expertise: Micronutrient (vitamin and mineral) nutrition, iron deficiency, anemia

Email: stephen.hennigar@pbrc.edu



Steven B. Heymsfield, M.D.

Professor
Director, Metabolism and Body Composition Lab

Expertise: Obesity; Methods of evaluating body composition; Weight loss treatments; Wearable devices for studying human metabolism; GLP-1s

Email: steven.heymsfield@pbrc.edu



Ronald W. Horswell, Ph.D.

Associate Professor, Research

Expertise: Bioinformatics; Biostatistics

Email: ronald.horswell@pbrc.edu



Gang Hu, Ph.D., M.D., MPH, FAHA

Professor
Director, Chronic Disease Epidemiology Lab

Expertise: Lifestyle interventions for adults and children; Obesity, lifestyle factors, biomarkers, genomics, and epigenomics with chronic diseases, including gestational diabetes, type 2 diabetes, cardiovascular disease and cancer; Electronic medical records and health

Email: gang.hu@pbrc.edu



David Hughes, Ph.D.

Assistant Professor, Research

Expertise: Molecular epidemiology; Bioinformatics

Email: David.hughes@pbrc.edu



William D. Johnson, Ph.D.

Professor, Biostatistics and Analysis

Biostatistics and Data Management Core

Expertise: Biostatistics; Statistical approaches to enhance interpretation of new discoveries

Email: william.johnson@pbrc.edu



Claudia T. Kappen, Dr. rer. nat.

Peggy M. Pennington Cole Endowed Chair in Maternal Biology & the Risk of Obesity;

Professor

Director, Developmental Biology Lab

Expertise: Maternal nutrition; Nutrition during pregnancy; Nutrition effect on embryos

Email: claudia.kappen@pbrc.edu



Peter T. Katzmarzyk, Ph.D.

Marie Edana Corcoran Endowed Chair in Pediatric Obesity & Diabetes

Associate Executive Director; Population & Public Health Sciences

Professor

Director, Physical Activity & Obesity Epidemiology Lab

Expertise: Physical activity and obesity; Pediatrics; Ethnic health disparities; Global Health

Email: peter.katzmarzyk@pbrc.edu



Jeffrey N. Keller, Ph.D.

Hibernia National Bank/Edward G. Schleider Endowed Chair

Professor

Director, Aging and Neurodegeneration Lab

Institute for Dementia Research & Prevention

Expertise: Aging; Oxidative stress; Proteasome; Alzheimer's disease

Email: jeffrey.keller@pbrc.edu



Robert Kesterson, Ph.D.

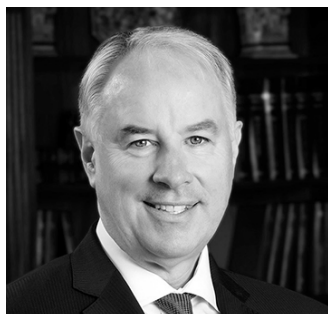
Professor

Director, Genetically Engineered Models Core

Director, Department of Cancer Precision Medicine

Expertise: Cancer precision medicine; Genetically engineered models

Email: robert.kesterson@pbrc.edu



John P. Kirwan, MSc, Ph.D., FACSM

George A. Bray, Jr. Endowed Super Chair in Nutrition

Executive Director, Pennington Biomedical Research Center

Professor

Director, Integrated Physiology and Molecular Medicine Lab

Expertise: Obesity; Insulin resistance as a cause of chronic disease

Email: john.kirwan@pbrc.edu



Juan Lertora, M.D., Ph.D.

Associate Executive Director for Clinical Science, Interim

Adjunct Professor

Clinical Research and Medical Investigator, Clinical Trials Unit

Expertise: Erythropoietin; cardiovascular pharmacology; Clinical pharmacology; Phase 1 and 2 clinical trials; New drug development

Email: Juan.lertora@pbrc.edu



Corby K. Martin, Ph.D., FTOS

Professor, Ingestive Behavior

Director, Ingestive Behavior, Weight Management & Health Promotion Lab; Director, Human Phenotyping Core

Expertise: Health behavior change; weight loss, diet and dietary adherence assessment; Mobile health; Calorie restriction; food waste

Email: corby.martin@pbrc.edu



David H. McDougal, Ph.D.

Assistant Professor, Research

Director, Neurobiology of Metabolic Dysfunction Lab

Expertise: Hypoglycemia in diabetic patients; Hypoglycemia associated autonomic failure

Email: david.mcdougal@pbrc.edu



Jacob Mey, Ph.D., RD

Assistant Professor, Research

Mitochondrial Energetics and Nutrient Utilization Lab

Expertise: Precision nutrition; Ketogenic diet; Carnivore; Food as medicine; Medical nutrition therapy; Asthma

Email: jacob.mey@pbrc.edu



Christopher D. Morrison, Ph.D.

John S. McIlhenny Endowed Professorship in Nutritional Neuroscience

Associate Executive Director, Basic Science

Professor

Co-Director, Neurosignaling Lab

Director, Animal Metabolism and Behavior Core

Expertise: Neuroendocrinology and physiology; Neuronal regulation of growth, metabolism and feeding behavior; Dietary protein content

Email: christopher.morrison@pbrc.edu



Heike Muenzberg-Gruening, Ph.D.

Professor

Director, Central Leptin Signaling Lab

Expertise: Neuronal circuits and temperature and energy sensing; Role of leptin in energy expenditure; Leptin signaling

Email: heike.munzberg@pbrc.edu



Candice A. Myers, Ph.D.

Assistant Professor, Research

Director, Social Determinants and Health Disparities Lab

Expertise: Food insecurity; Social determinants of health; Health disparities

Email: candice.myers@pbrc.edu



Robert L. Newton, Jr., Ph.D.

Professor

Director, Preventative Behavioral Medicine Lab

Expertise: Health disparities in African American children, adults and older adults; Physical activity promotion interventions; Rural health; Alzheimer's disease

Email: robert.newton@pbrc.edu



Robert C. Noland, Ph.D.

Assistant Professor

Director, John S McIlhenny Skeletal Muscle Physiology Lab

Expertise: Substrate metabolism; Lipid metabolism in obesity, Diabetes and insulin resistance

Email: robert.noland@pbrc.edu



Eric Ravussin, Ph.D.

Boyd Professor

Douglas L. Gordon Chair in Diabetes and Metabolism

Director, Metabolic Chambers Lab

Director, Human Translational Physiology Lab

Expertise: Obesity; Type 2 diabetes; Energy expenditure; Body composition; Energy Balance; Carbohydrate metabolism; Biomarkers of aging

Email: eric.ravussin@pbrc.edu



Candida Rebello, Ph.D., RD, LDN

Assistant Professor, Clinical Science

Director, Nutrition and Chronic Disease Program (lab)

Expertise: Obesity; Insulin resistance; Sustainable lifestyle for obesity treatment; Age-related functional decline

Email: candida.rebello@pbrc.edu



Leanne M. Redman, MS, Ph.D.

LPFA Endowed Fellowship

Associate Executive Director, Scientific Education

Professor

Director, Reproductive Endocrinology & Women's Health

Director, Nutrition Obesity Research Center

Expertise: Obesity; Obesity and women's health - pregnancy, lactation, menopause, PCOS, gestational diabetes; Weight loss RCT; Metabolic adaptation; Healthy aging

Email: leanne.redman@pbrc.edu



Allison J. Richard, Ph.D.

Instructor

Co-Director, Adipocyte Biology Lab

Expertise: Adipocyte biology

Email: allison.richard@pbrc.edu



Jennifer C. Rood, Ph.D.

Associate Executive Director, Cores and Resources

Director, Clinical Chemistry Core

Director, Exercise Testing Core

Director, Mass Spectrometry Core

Co-Director, Center for Military Performance and Resilience

Expertise: Measuring energy expenditure during weight gain/loss and during periods of intense exercise; Using stable isotopes to measure protein, fat, and carbohydrate metabolism; Military/Warfighter Nutrition and Performance

Email: jennifer.rood@pbrc.edu



J. Michael Salbaum, Ph.D.

Professor; Genomics

Director, Regulation of Gene Expression Lab

Director, Genomics

Expertise: Neurulation; Maternal diabetes during pregnancy; Genomics; Gene expression; Metabolic conditions during pregnancy

Email: michael.salbaum@pbrc.edu



Philip R. Schauer, M.D.

United Companies Life Insurance Co./Mary Kay and Terrell Brown Chair

Professor, Metabolic Surgery

Director, Metamor Institute

Expertise: Obesity; Diabetes; Metabolic surgery; Outcomes of metabolic surgery

Email: philip.schauer@pbrc.edu



Yun Shen, M.D.

Assistant Professor, Research

Chronic Disease Epidemiology

Expertise: Diabetes; Obesity and metabolic disorders; Biological markers for diabetes; Metabolic monitoring technologies; Intervention programs

Email: yun.shen@pbrc.edu



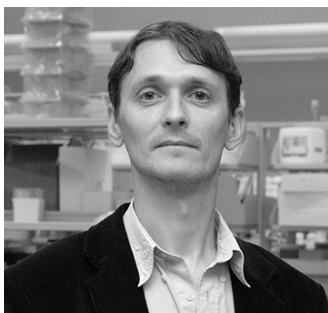
Prachi Singh, Ph.D.

Associate Professor

Director, Sleep and Cardiometabolic Health Lab

Expertise: Sleep; sleep disorders; cardiovascular health; obesity-related disorders; role of sleep disorders in obesity

Email: prachi.singh@pbrc.edu



Krisztian Stadler, Ph.D.

Professor

Director, Oxidative Stress and Disease Lab

Expertise: Redox biology; Free radical mechanisms; Kidney disease; Podocytes

Email: krisztian.stadler@pbrc.edu



Amanda E. Staiano, Ph.D.

Associate Professor

Director, Pediatric Obesity and Health Behavior Lab

Expertise: Family-based health lifestyles; Technology to decrease pediatric obesity; Technology to promote physical activity; Exergaming; Children's physical activity

Email: amanda.staiano@pbrc.edu



Jacqueline M. Stephens, Ph.D.

Claude B. Pennington, Jr. Endowed Chair in Biomedical Research

Professor

Co-Director, Adipocyte Biology Lab

Principal Investigator, Metabolic Basis of Disease Center

Expertise: STAT and STAT5 proteins; Diabetes; Adipocyte Biology

Email: jacqueline.stephens@pbrc.edu



Tiffany M. Stewart, Ph.D.

Dudley & Beverly Coates Endowed Professor;

Director, Behavior Technology Laboratory: Health, Performance & Resilience

Co-Director, Center for Military Performance and Resilience

Expertise: Translational research; Eating disorders; Body Image; Technologies for behavior change, e.g. apps; Health, performance, mental health, & psychological resilience in military, collegiate, and elite athletes

Email: tiffany.stewart@pbrc.edu



Bolormaa Vandanmagsar, Ph.D.

Senior Research Scientist

Integrated Physiology and Molecular Metabolism Lab

Expertise: Obesity induced inflammation; Insulin resistance; Molecular medicine

Email: bolormaa.vandanmagsar@pbrc.edu



Stephanie Waldrop, M.D., MPH
Assistant Professor, Clinical Sciences

Expertise: Pediatrics; Obesity Medicine; Nutrition; Maternal and Pediatric nutrition and risk of non-communicable diseases; Epigenetic biomarkers

Email: stephanie.waldrop@pbrc.edu



Ursula White, Ph.D.
Assistant Professor, Research
Director, Physiology of Human Adipose Tissue Lab

Expertise: Fatty tissue; Energy homeostasis; Pathophysiology of obesity; Fatty tissue distribution

Email: ursula.white@pbrc.edu



Shengping Yang, Ph.D.
Assistant Professor, Research
Biostatistics and Data Management Core

Expertise: Statistical methodologies in genomic, clinical and epidemiological research

Email: shengping.yang@pbrc.edu



Sangho Yu, Ph.D.
Assistant Professor, Research
Co-Director, Neurosignaling Lab

Expertise: Regulation of energy balance; Stimuli in influence of energy balance; Neurosignaling

Email: sangho.yu@pbrc.edu