

CURRICULUM VITAE

Stefany DePrato Primeaux, Ph.D.

Current Title: Associate Professor-Research
Business Address: Department of Physiology
Louisiana State University Health Science Center
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Education:

Undergraduate:

1994 Louisiana State University, Baton Rouge, LA, B.S., Psychology

Graduate/Medical:

1996 Southeastern Louisiana University, Hammond, LA, M.A., Psychology

2000 University of Georgia, Athens, GA, Ph.D., Biopsychology

Post-Doctoral Fellowships:

2000-2003 Department of Pharmacology, Physiology, & Neuroscience, University of South Carolina School of Medicine, Columbia, SC

2003-2005 Experimental Obesity Laboratory, Pennington Biomedical Research Center, Baton Rouge, LA

2005-2007 Dietary Obesity Laboratory, Pennington Biomedical Research Center, Baton Rouge, LA

Academic, Professional, and Research Appointments

2007-2010 Instructor-Research, Dietary Obesity Laboratory,
Pennington Biomedical Research Center, Baton Rouge, LA

2010-2014 Assistant Professor-Research, Joint Program in Diabetes, Metabolism
and Endocrinology, Department of Internal Medicine, Section of
Endocrinology, Diabetes and Metabolism,

Louisiana State University Health Sciences Center, New Orleans, LA

2010-2014 Adjunct Assistant Professor, Department of Physiology,
Louisiana State University Health Sciences Center, New Orleans, LA

2010-present Adjunct Assistant Professor, Joint Program in Diabetes, Metabolism
and Endocrinology,

Pennington Biomedical Research Center, Baton Rouge, LA

2012-2018 Graduate faculty (Associate member), School of Graduate Studies,
Louisiana State University Health Sciences Center, New Orleans, LA

2013-present Adjunct Assistant Professor, Alcohol & Drug Abuse Center of
Excellence, Louisiana State University Health Sciences Center, New
Orleans, LA

- 2014-2019 Assistant Professor-Research, Department of Physiology,
Louisiana State University Health Sciences Center, New Orleans, LA
- 2017-present Adjunct Assistant Professor, Cardiovascular Center of Excellence,
Louisiana State University Health Sciences Center, New Orleans, LA
- 2018-present Graduate faculty (Full member), School of Graduate Studies,
Louisiana State University Health Sciences Center, New Orleans, LA
- 2019-present Associate Professor-Research, Department of Physiology,
Louisiana State University Health Sciences Center, New Orleans, LA
- 2019-present Adjunct Associate Professor, Joint Program in Diabetes, Metabolism
and Endocrinology, Pennington Biomedical Research Center, Baton
Rouge, LA
- 2019-present Adjunct Associate Professor, Alcohol & Drug Abuse Center of
Excellence, Louisiana State University Health Sciences Center, New
Orleans, LA
- 2019-present Adjunct Associate Professor, Cardiovascular Center of Excellence,
Louisiana State University Health Sciences Center, New Orleans, LA

Membership in Professional Organizations:

- 1995-1997 American Psychological Association, member
- 1996-1997 American Psychological Association Division 6, Behavioral
Neuroscience & Comparative Psychology, member
- 1996-2000 Neuroscience Student Association, University of Georgia, member
- 1996-2006 Society for Neuroscience, member, 1996-2006; 2012
- 1997-1998 Neuroscience Student Association, University of Georgia, President
- 1998-2000 Society for Experimental Biology & Medicine, member
- 1999-2002 International Behavioral Neuroscience Society, member
- 2001-2002 South Carolina Chapter of the Society for Neuroscience, member
- 2003-present The Obesity Society/North American Association for the Study of Obesity,
member
- 2004-2012 Society of the Study of Ingestive Behaviors, member
- 2005-present Nutrition Obesity Research Center, member
- 2010-present American Physiological Society, member
- 2013-2015 Association for Chemoreception Sciences, member
- 2014-2017 The Obesity Society, Scientific Review Committee, member,
- 2015-2017 The Obesity Society, Basic Science Abstract Selection Committee,
member
- 2018-present Association for Women in Science, member
- 2018-2020 Association for Women in Science South Louisiana Chapter, Treasurer
- 2020-present The American College of Sports Medicine

Awards and Honors:

- 1995-1997 Research Assistantship, University of Georgia, Athens, GA

- 1997-1999 Teaching Assistantship, University of Georgia, Athens, GA
- 1999 Outstanding Teaching Assistant Award, University of Georgia, Athens, GA
- 2000 Herbert Zimmer Award (awarded by Biopsychology Program in recognition of outstanding research accomplishments and potential for a research career in psychology), University of Georgia, Athens, GA
- 2002 Postdoctoral Travel Fellowship to New York Academy of Science Conference on the study of gender differences
- 2013 Best Basic Science Research Award, Department of Internal Medicine Annual Research Day, Louisiana State University Health Sciences Center, New Orleans, LA
- 2014 Best Clinical Science Research Award, Department of Internal Medicine Annual Research Day, Louisiana State University Health Sciences Center, New Orleans, LA

TEACHING EXPERIENCE AND RESPONSIBILITIES

Curriculum Development/Implementation:

- 2017-present INTER143: Experimental Design & Analysis
 Developed as a core course for graduate students in the Interdisciplinary graduate program and in the biomedical sciences master's program. The purpose of this course is to introduce new graduate students to basic experimental design, statistical methodology and bioinformatics.
 School of Graduate Studies, Louisiana State University Health Sciences Center, New Orleans, LA

Creation of Enduring Teaching Materials:

- 2011-present HLSC2410: Nursing Physiology
 Developed Core lectures on Neural Communication and Signaling for nursing students,
 Louisiana State University Health Sciences Center, New Orleans, LA

- 2017-present INTER143: Experimental Design & Analyses
 Developed Core lectures on experimental design and basic theory of biostatistics for Graduate Students
 Louisiana State University Health Sciences Center, New Orleans, LA,

Formal Course Responsibilities:

Instructor/Lecturer:

- 1997-1999 PSYC3980: Research Design in Psychology
 Taught required undergraduate level course in experimental design
 Department of Psychology, University of Georgia, Athens, GA
 45 contact hours/semester

- 2011-2012 DHY3202: Dental Hygiene Physiology
 Taught neural Transmission, Sensory Physiology, Metabolism, Aging,
 Dental undergraduate Dental Hygiene students, Louisiana State
 University Health Sciences Center, New Orleans, LA
 4 contact hours/semester
- 2011-2014 INTER132: Biological Systems-Endocrine
 Taught regulation of food intake and obesity to graduate students
 Louisiana State University Health Sciences Center, New Orleans, LA
 2.5 contact hours/semester
- 2011-2015 DENT1115: Dental Physiology
 Taught neural signaling to dental students
 Louisiana State University Health Sciences Center, New Orleans, LA
 7 contact hours/semester
- 2011-present HLSC2410: Nursing Physiology
 Taught neural signaling and sensory systems to undergraduate nursing
 students
 Louisiana State University Health Sciences Center, New Orleans, LA
 6-8 contact hours/semester
- 2011-present HLSC3410, HLSC3410CA: Human Pathophysiology for Nursing
 Taught pathophysiology of metabolic syndrome, cardiac function, skin
 disorders, endocrine and reproductive disorders, genetics, cell
 adaptation, and fluid regulation to undergraduate nursing students
 Louisiana State University Health Sciences Center, New Orleans, LA
 5-8 contact hours/semester
- 2013 PHYSIO291: Physiology and Pathophysiology of the GI tract
 Taught gastrointestinal regulation of feeding behavior to graduate
 students
 Louisiana State University Health Sciences Center, New Orleans, LA
 2 contact hours
- 2015 PHYSIO216: Endocrinology
 Taught about the regulation of adipose tissue and gut hormones to
 graduate students
 Louisiana State University Health Sciences Center, New Orleans, LA
 2 contact hours
- 2016 INTER123: Control of Gene Expression
 Taught introduction to experimental design and biostatistics to graduate
 students (led to the development of INTER143: Experimental Design &
 Analysis)
 Louisiana State University Health Sciences Center, New Orleans, LA
 5 contact hours
- 2017 PHYSIO289: Physiology of Neuronal Circuits
 Taught physiology of eating disorders to graduate students
 Louisiana State University Health Sciences Center, New Orleans, LA
 1 contact hour

- 2017-present INTER143: Experimental Design and Analysis
 Taught basic experimental design, theory of biostatistics and excel basics to graduate students
 Louisiana State University Health Sciences Center, New Orleans, LA
 7.5 contact hours/semester
- 2017-present OCCT6624: Pathophysiology and Medical Consequences
 Taught pathophysiology of metabolic syndrome, cardiac function, skin disorders, endocrine and reproductive disorders, genetics, cell adaptation, fluid regulation to occupational therapy students
 Louisiana State University Health Sciences Center, New Orleans, LA
 5-8 contact hours/semester
- 2018-present DENT1115: Dental Physiology
 Taught physiology of gustatory systems to dental students
 Louisiana State University Health Sciences Center, New Orleans, LA
 2 contact hours

Course Co-Director:

- 2014-2017 HLSC3410, HLSC3410CA: Human Pathophysiology for Nursing
 2020 (Fall) Course co-director of Pathophysiology for undergraduate nursing students in traditional and CARE programs, responsibilities included posting lecture material to Moodle, organizing and assessing online quizzes, meeting with students, lecturing on various topics
 Louisiana State University Health Sciences Center, New Orleans, LA
 45 contact hours/semester
- 2019 ANAT 280: Professionalism in Biomedical Sciences
 Course co-director of Professionalism in biomedical sciences for graduate students in their first year of graduate school. Responsibilities include posting materials to Moodle, organizing and assessing online assignments and lecturing of topics related to Professionalism.
 Louisiana State University Health Sciences Center, New Orleans, LA
 7.5 contact hours/semester
- 2017-present OCCT6624: Pathophysiology and Medical Consequences
 Course co-director of Pathophysiology for occupational therapy students, responsibilities included posting lecture material to Moodle, meeting with students, lecturing on various topics Louisiana State University Health Sciences Center, New Orleans, LA
 27 contact hours/semester

Course Director:

- 1997-1999 PSYC3980: Research Design in Psychology
 Course director for core undergraduate level psychology course on experimental design. Responsible for all lectures, developing and grading exams, meeting with students
 University of Georgia, Athens, GA

- 2003 45 contact hours/semester, approximately 30 students/semester
Experimental Design seminar for graduate students
Responsible for guiding discussions on experimental design and evaluating student research design projects
University of South Carolina School of Medicine, Columbia, SC
- 2015-2016 30 contact hours, 6 students
PHYSIO290: Physiology Journal Club
Responsible for guiding graduate student-led discussion of journal articles relevant to Physiology
Louisiana State University Health Sciences Center, New Orleans, LA
- 2016-2018 18 contact hours/semester, approximately 10 students/semester
PHYSIO299: Physiology Seminar Series
Responsible for organizing weekly seminar series, assisting in graduate student selection for Spitzer Award Lecture and reviewing student summaries of each speaker's seminar
Louisiana State University Health Sciences Center, New Orleans, LA
- 2017 18 contact hours/semester, approximately 3 students/semester
INTER101: Introduction to Research Resources
This course is required by all incoming graduate students. Responsible for organizing speakers, visits to individual departments, and meetings with mentors and for meeting with new graduate students.
Louisiana State University Health Sciences Center, New Orleans, LA
- 2017-present 7 contact hours, approximately 15 students/year
INTER143: Experimental Design & Analyses
Developed this course as part of the core curriculum for the Interdisciplinary Graduate Student Program and the Biomedical Master's Program. Responsible for organizing topics, lecturers, developing and grading exams and lecturing on various topics in the course.
Louisiana State University Health Sciences Center, New Orleans, LA
- 2017-present 30 contact hours/semester, approximately 10 students/semester
HLSC3410, HLSC3410CA: Human Pathophysiology for Nursing
Responsible for updating course curriculum and lecturers. Responsible for overall management of course via Moodle, development and administration of exams, grading of exams, lecturing and meeting and mentoring nursing students. Since becoming Course Director in Fall 2017, course evaluations improved from 2.2-2.9 out of 4.0, in the Spring 2017 semester to 3.3-3.6 out of 4, with 4 indicating "strongly agree"
Louisiana State University Health Sciences Center, New Orleans, LA
- 45 contact hours, approximately 115 students in HLSC3410 and 50 students in HLSC3410CA

Departmental/Interdisciplinary Teaching Conferences:

- 2011-present Research Seminar for Endocrine Fellows

Lecturer on Basic Laboratory Techniques, Writing Scientific Manuscripts, Scientific Method and Evidence-based Medicine, Signal Transduction and Pathways, Biology of Hormone Receptors, The Taste of Fat, Hypothalamic Regulation of Food Intake; Incretins and Gut Hormones, , Louisiana State University Health Sciences Center, New Orleans, LA
2-4 contact hours/semester.

2012-2014 Endocrine Research Conference for Endocrine Fellows
Coordinator of weekly research meetings
Louisiana State University Health Sciences Center, New Orleans, LA

Teaching Awards:

1999 Outstanding Teaching Assistant Award
University of Georgia, Athens, GA

Undergraduate, Medical, or Graduate Students Trained:

High School Students:

2007 Raphael Malbrue, NIH-NIDDK Short-term Education
Program for Underrepresented Persons
Pennington Biomedical Research Center, Baton Rouge, LA
2014 Elle Lovick, NIAAA Summer Student Program
Louisiana State University Health Sciences Center, New Orleans, LA
2018 Anna Champ, Summer Student Program
Louisiana State University Health Sciences Center, New Orleans, LA
2019 Corinne Martin, Summer Student Program
Louisiana State University Health Sciences Center, New Orleans, LA

Undergraduate Students:

2008 Alison Salmon, Summer Scholars Program for Veterinary Students
Pennington Biomedical Research Center, Baton Rouge, LA
2011 Allyson Schreiber, Undergraduate Research in Biological Sciences
Pennington Biomedical Research Center, Baton Rouge, LA
2011 Raphael Malbrue, Summer Scholars Program for Veterinary Students
Pennington Biomedical Research Center, Baton Rouge, LA
2012 Kenneth Arceneaux III, Undergraduate Research in Biological Sciences
Pennington Biomedical Research Center, Baton Rouge, LA
2014 Mallory Lowe, NIAAA Summer Student Program
Louisiana State University Health Sciences Center, New Orleans, LA
2014 Jacquell Tircuit, Louisiana Biomedical Research Network Summer
Student Program
Louisiana State University Health Sciences Center, New Orleans, LA
2015 Brooke Lawrence, NIAAA Summer Student Program
Louisiana State University Health Sciences Center, New Orleans, LA
2016 Patricia-Marie MgBodile, NIAAA Summer Student Program

2018 Louisiana State University Health Sciences Center, New Orleans, LA
Dalia El-Desoky, Louisiana Biomedical Research Network Summer
Student Program
Louisiana State University Health Sciences Center, New Orleans, LA

Graduate Students:

2011 Regina Chustz, Interdisciplinary Graduate Student program
Louisiana State University Health Sciences Center, New Orleans, LA
2012 Alan Mouton, Interdisciplinary Graduate Student program
Louisiana State University Health Sciences Center, New Orleans, LA
2015 Shawn Marcell, Interdisciplinary Graduate Student program
Louisiana State University Health Sciences Center, New Orleans, LA
2016 Darryl Gaudet, Biomedical Sciences Master's program
Louisiana State University Health Sciences Center, New Orleans, LA
2019 Elizabeth Alexis, Biomedical Sciences Master's program
Louisiana State University Health Sciences Center, New Orleans, LA

Nursing Students:

2015 Claire Battle, Mentoring Undergraduate Students for Excellence in
Scholarship (MUSES) Program
Louisiana State University Health Sciences Center, New Orleans, LA
2018 Ian Readeau, Mentoring Undergraduate Students for Excellence in
Scholarship (MUSES) Program
Louisiana State University Health Sciences Center, New Orleans, LA
2018 Shannon Householder, Mentoring Undergraduate Students for Excellence
in Scholarship (MUSES) Program
Louisiana State University Health Sciences Center, New Orleans, LA
2019 Jeremy Moniz, Mentoring Undergraduate Students for Excellence in
Scholarship (MUSES) Program
Louisiana State University Health Sciences Center, New Orleans, LA

Post-Baccalaureate Students:

2018 Shekinah Hernandez, Postbaccalaureate Research Education Program
(PREP) in Biomedical Sciences
Louisiana State University Health Sciences Center, New Orleans, LA

Medical Students, Residents:

2011 Deepu Thoppil, Internal Medicine Resident
Louisiana State University Health Sciences Center, New Orleans, LA
2012 Conor Coogan, Medical Student Summer Research Internship
Louisiana State University Health Sciences Center, New Orleans, LA
2016 Thomas Dowling, Medical Student

2020 Louisiana State University Health Sciences Center, New Orleans, LA
Eden Gallegos, Medical Student
Louisiana State University Health Sciences Center, New Orleans, LA

Thesis and Dissertation Committees:

2013-2017 Timothy Allerton, Dissertation Committee Member
Department of Kinesiology
Louisiana State University, Baton Rouge, LA
2014-2017 Stephen Ford, Dissertation Committee Member
Department of Physiology
Louisiana State University Health Sciences Center, New Orleans, LA
2016-2018 Jonquil Poret, Thesis Committee Chair
Department of Physiology
Louisiana State University Health Sciences Center, New Orleans, LA
2016-2018 Darryl Gaudet, Thesis Committee Chair
Department of Physiology
Louisiana State University Health Sciences Center, New Orleans, LA
2020- Taylor Templeton, Dissertation Committee Member
Department of Physiology
Louisiana State University Health Sciences Center, New Orleans, LA
2020- Nicholas Fried, Dissertation Committee Member
Department of Physiology
Louisiana State University Health Sciences Center, New Orleans, LA

Post-Doctoral or Post-Residency Fellows Trained:

2011-2013 Robert Dubin, MD, Endocrine Fellow
Louisiana State University Health Sciences Center, New Orleans, LA
2013-2014 Gina Stafford, MD, Endocrine Fellow
Louisiana State University Health Sciences Center, New Orleans, LA
2013-2014 Amy Varughese, MD, Endocrine Fellow
Louisiana State University Health Sciences Center, New Orleans, LA
2019 Nabil Ahmed, MD, Postdoctoral Fellow
Louisiana State University Health Sciences Center, New Orleans, LA

RESEARCH AND SCHOLARSHIP

Grants and Contracts:

Funded:

1. National Institute of Alcohol Abuse and Alcoholism, F32AA014310, "Individual Differences in Anxiety: Role of Neuropeptide-Y", **Post-doctoral Fellow**, Period of Support 06/01/2003-05/31/2006, Total Direct Costs \$95,348.

Goals: To investigate the role of amygdalar neuropeptide Y on alcohol intake in anxious and non-anxious rats.

2. Pennington Biomedical Research Center, Experimental Obesity Division Pilot Project Grant, "Obesity and Depression: Exploring Animal Models", **Principal Investigator**, Period of Support 01/01/2004-06/30/2004, Total Direct Costs \$6000.

Goals: To provide preliminary data for an NIH R21 submission investigating the interplay between depression and obesity using models that differed in their susceptibility to develop obesity.

3. Johnson & Johnson contract, "Investigation of Experimental Compounds in an Animal Model of Obesity", **Principal Investigator**, Period of Support 07/01/2007-06/30/2008, Total Direct Costs \$20,790.

Goals: To examine the effects of a proprietary compound on body weight gain in rats.

4. Pennington Biomedical Research Center, Nutrition and the Brain Division Pilot and Feasibility Grant, "Does Fat Sensing by the Tongue alter the Susceptibility to Obesity?", **Principal Investigator**, Period of Support 11/01/2007-06/30/2008, Total Direct Costs \$3000.

Goals: To provide preliminary data for a NIH R01 grant proposal investigating fat sensing in obesity-prone and obesity-resistant rats.

5. Pennington Biomedical Research Center, Nutrition and the Brain Division Pilot and Feasibility Grant, "Altered Neural Control of Nutritional State after Experimental Traumatic Brain Injury", **Co-Investigator**, Period of Support 09/01/2008-06/30/2009, Total Direct Costs \$25,000.

Goals: To gather preliminary data for future grant submission on nutrition and traumatic brain injury in collaboration with Dr. Gregory Holmes.

6. Pennington Biomedical Research Center, Nutrition and the Brain Division Pilot and Feasibility Grant, "The Role of CD36 Receptors on the Tongues of Obesity-prone and Obesity-resistant Rats", **Principal Investigator**, Period of Support 09/01/2008-06/30/2009, Total Direct Costs \$25,000.

Goals: To investigate an experimental technique to decrease lingual expression of CD36 and examine its role on fat sensing.

7. Department of Defense, "Destabilization of Hypothalamic Sleep/Wake Neuronal System in Experimental SCI", **Principal Investigator-Administrative**, Period of Support 09/30/2010-10/31/2013, Total Direct Costs \$99,960.

Goals: To investigate the effects of spinal cord injury on the sleep/wake cycle in collaboration with Dr. Gregory Holmes.

8. Nutrition & Obesity Research Center Pilot and Feasibility Grant, "Role of Hypothalamic QRFP on Energy Regulation in Female Rats", **Principal Investigator**, Period of Support 06/01/2013-08/15/2015, Total Direct Costs \$22,500.

Goals: To provide preliminary data for several NIH grant proposals investigating the interaction of estrogens with a novel hypothalamic peptide, QRFP.

9. COBRE Pilot and Feasibility Study, P30 GM106392, "Susceptibility to Obesity: Inflammation and Vascular Function", **Principal Investigator of Pilot Grant** (Daniel

Kapusta, PhD, P.I.), Period of Support 10/01/2014-07/31/2016, Total Direct Costs \$100,000.

Goals: To provide preliminary data for an NIH grant proposal to investigate cardiovascular risk factors in rats that differ in their susceptibility to develop obesity.

10. National Institute of Alcohol Abuse and Alcoholism, UH2/UH3 AA026198, "Alcohol & Metabolic Comorbidities in PLWHA: Evidence-Driven Interventions" **Co-Investigator** with 25% effort (Patricia E. Molina, MD, PhD, P.I.), Period of Support 06/01/2017-05/31/2022, Total Direct Costs \$1,021,465.

Goals: To investigate the effects of an exercise intervention on improving glycaemia in HIV positive individuals that may have an alcohol use disorder.

Role: As Co-Investigator of this grant, I provide oversight for participant recruitment, identify participants that will be selected to continue with the study, oversight for the exercise intervention, responsible for IRB preparation and submission, organizing and running team meetings and working with study nurses.

Non-funded applications (last three years):

1. Louisiana State University Health Sciences Center School of Medicine Research Enhancement Program, "Role of Lingual Fat Sensors in Binge Eating", **Principal Investigator**, Period of Support 03/01/2017-02/28/2018, Total Direct Costs \$75,000.
2. National Institute for Aging, R21 AG055687, "NOX-dependent ROS-Signaling Modulates Estrogenic Responses to Adipocytes", **Co-Investigator** with 10% effort (Martin J. Ronis, PhD, P.I.), Period of Support 04/01/2017-03/31/2019, Total Direct Costs \$275,000.
3. Nutrition and Obesity Research Center Pilot and Feasibility Grant, "NOX Dependent ROS Signaling in Adipose Tissue", **Principal Investigator**, Period of Support 05/01/2017-04/30/2018, Total Direct Costs \$45,000
4. National Institute for Deafness and Communication Disorders, R21 DC016430, "Role of Lingual CD36 in Modulating Fat Intake in Obesity Susceptibility", **Principal Investigator** with 25% effort, Period of Support 07/01/2017-06/30/2019, Total Direct Costs \$275,000.
5. National Institute for Deafness and Communication Disorders, R21 DC016432, "Altered Fat Sensing Following Bariatric Surgery" **Co-Principal Investigator** with 10% effort, (Andras Hajnal, PhD, Co-PI) Period of Support 07/01/2017-06/30/2019, Total Direct Costs \$275,000.
6. National Institute for Alcohol Abuse and Alcoholism, R01 AA025996, "Central Neuropharmacological Mechanisms of Pain and Alcohol Dependence", **Co-Investigator** with 10% effort (Scott Edwards, PhD, P.I.) Period of Support 07/01/2017-06/30/2019, Total Direct Costs \$1,250,000.
7. National Institute for Deafness and Communication Disorders, R21 DC016728, "Role of Lingual Fat Sensors in Binge Eating", **Principal Investigator** with 25% effort, Period of Support 09/01/2017-08/31/2019, Total Direct Costs \$275,000.

8. Nutrition and Obesity Research Center Pilot and Feasibility Grant, "The Role of Microbiota in Promotion of Liver Cancer by Diets High in Saturated Fat", **Principal Investigator**, Period of Support 02/01/2018-03/31/2019, Total Direct Costs \$58,256.
9. Louisiana State University Health Sciences Center School of Medicine Research Enhancement Program, "The Role of Microbiota in Promotion of Liver Cancer by Diets High in Saturated Fat", **Principal Investigator**, Period of Support 06/01/2018-05/31/2019), Total Direct Costs \$63,286.
Goals: To provide preliminary data for an NIH grant proposal to investigate the effects of saturated fat and the gut microbiota on the incidence of liver cancer.
10. National Institute of Alcohol Abuse and Alcoholism, R21AA029361, "Alcohol Use in Sedentary People Living with HIV: Interventions to Increase Physical Activity", **Co-Principal Investigator** (multi-PI) with 10% effort, Period of support 11/01/2020-10/31/2025, Total Direct Costs \$1,010,430.
Goals: To test the feasibility of group center and home-based exercise training programs complemented with formal group education to increase physical activity among sedentary people living with HIV with at risk alcohol use.
Role: As Principal Investigator on this multi-PI grant, I will provide oversight for subject recruitment and scientific implementation of the grant. I will be responsible for ensuring that the exercise interventions are executed, the physical activity tracking are appropriate and social networking tools are implemented.

Journal Publications:

Refereed:

1. Holmes, P.V., Davis, R.C., Masini, C.V., & **Primeaux, S.D.** (1998) Effects of olfactory bulbectomy on neuropeptide gene expression in the rat olfactory/limbic system. *Neuroscience*, 86 (2),587-596
2. **Primeaux, S. D.** & Holmes, P. V. (1999). Role of aversively-motivated behavior in the olfactory bulbectomy syndrome. *Physiology & Behavior*, 67 (1), 41-47.
3. **Primeaux, S.D.**, Holmes, P.V., Martin, R.J., Dean, R. G., & Edwards, G.L. (2000). Experimentally induced attenuation of neuropeptide-Y gene expression in transgenic mice increases mortality rate following seizures. *Neuroscience Letters*, 287 (1), 61-64.
4. **Primeaux, S. D.** & Holmes, P. V. (2000). Olfactory bulbectomy increases met-enkephalin and neuropeptide-Y-like immunoreactivity in rat limbic structures. *Pharmacology, Biochemistry, & Behavior*, 67, 331-337.
5. Holmes, P.V., Masini, C.V., **Primeaux, S.D.** Garrett, J.L. Zellner, A., Stogner, K.S., Duncan, A.A. & Crystal, J.D. (2002). Intravenous self-administration of amphetamine is increased in a rat model of depression. *Synapse* 46(1), 4-10.
6. Wilson, M.A., Burghardt, P.R., Lugo Jr., J. N., **Primeaux, S.D.**, & Wilson, S.P. (2003). Effect of amygdalar opioids on the anxiolytic properties of ethanol. *New York Academy of Science*, 985, 472-476

7. **Primeaux, S.D.**, Wilson, M.A., Wilson, S.P., Guth, A.N., Lelutiu, N.B., & Holmes, P.V. (2003) Herpes virus-mediated prepro-enkephalin gene transfer in the ventral striatum mimics behavioral changes produced by olfactory bulbectomy in rats, *Brain Research* 988(1-2), 43-55.
8. Wilson, M.A., Burghardt, P.R., Ford, K.A., Wilkinson, M.B. & **Primeaux, S.D.** (2004). Anxiolytic effects of diazepam and ethanol in two behavioral models: Comparison of males and females. *Pharmacology, Biochemistry & Behavior*, 78, 445-458.
9. **Primeaux, S.D.**, Wilson, S.P. Cusick, M.C., York, D.A. & Wilson, M.A. (2005) Effects of altered amygdalar neuropeptide Y expression on anxiety-related behaviors. *Neuropsychopharmacology*, 9, 1589-1597.
10. **Primeaux, S.D.**, York, D.A., & Bray, G.A. (2006). Neuropeptide Y administration into the amygdala alters high fat food intake. *Peptides* 27 (7), 1644-1651.
11. **Primeaux, S.D.**, Wilson, S.P., Bray, G.A., York, D.A. & Wilson, M.A. (2006). Overexpression of neuropeptide Y in the central nucleus of the amygdala decreases ethanol self-administration in "anxious" rats. *Alcoholism: Clinical and Experimental Research*, 30 (5), 791-801.
12. Barnes, M.J., Holmes, G., **Primeaux, S.D.**, York, D.A. & Bray, G.A. (2006) Increased expression of mu opioid receptors in animals susceptible to diet-induced obesity. *Peptides*, 27(12), 3292-3298.
13. **Primeaux, S.D.**, Wilson, S.P., McDonald, A.J. Mascagni, F., & Wilson, M.A. (2006). The role of delta opioid receptors in the anxiolytic actions of benzodiazepines. *Pharmacology, Biochemistry and Behavior*. [PMCID: PMC1892843](#)
14. **Primeaux, S.D.**, Barnes, M.J., & Bray, G.A. (2007). Olfactory bulbectomy increases food intake and hypothalamic neuropeptide Y in obesity-prone but not obesity-resistant rats. *Behavioural Brain Research*, 180(2), 190-6. [PMCID: PMC1978179](#)
15. **Primeaux, S.D.**, Tong, M. & Holmes, G.M. (2007) Effects of spinal cord injury on body weight and body composition in rats fed a standard chow diet. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 293(3), 1102-1109.
16. Barnes, M.J., **Primeaux, S.D.** & Bray, G.A. (2008) Food deprivation increases the mRNA expression of micro-opioid receptors in the ventral medial hypothalamus and arcuate nucleus. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 295(5), R1385-1390. [PMCID:PMC2584848](#)
17. **Primeaux, S.D.**, Blackmon, C., Barnes, M.J., Braymer, H.D. & Bray, G.A. (2008) Central administration of the RFamide peptides, QRFP-26 and QRFP-43, increases high fat food intake in rats. *Peptides*, 29(11), 1994-2000. [PMCID:PMC2610851](#)
18. **Primeaux, S. D.**, Barnes, M.J. Braymer, H.D. & Bray, G.A. (2010). Sensitivity to the satiating effects of Exendin 4 is decreased in obesity-prone Osborne-Mendel rats compared to obesity-resistant S5B/Pl rats. *International Journal of Obesity*, 34(9), 1427-1433. [PMCID: PMC2910155](#)
19. Thanos, P.K., Kim, R., Cho, J., Michaelides, M., Anderson, B.J., Robinson, J.K., **Primeaux, S.D.**, Bray, G.A., Wang, G.J., & Volkow, N.D. (2010) Obesity resistant S5B rats showed greater cocaine conditioned place preference than the obesity prone OM rats. *Physiology & Behavior*, 101(5), 713-718. [PMCID: PMC3477469](#)

20. King, B.M., **Primeaux, S.D.**, Zadeh, M.L., de Gruiter, J.E., Plant, J.D., Ferguson, A.V. & Bray, G.A. (2011). Olfactory bulbectomy impairs the feeding response to 2-deoxy-D-glucose in rats. *Brain Research*, 1367, 207-212. [PMCID: PMC1978179](#)
21. Thanos, P.K., Cho, J., Kim, R., Michaelides, M., **Primeaux, S.D.**, Bray, G.A., Wang, G.J., & Volkow, N.D. (2011) Bromocriptine increased operant responding for high fat food but decreased chow intake in both obesity-prone and obesity-resistant rats. *Behavioural Brain Research*, 217(1), 165-170. [PMCID: PMC3018148](#)
22. **Primeaux, S.D.** (2011). QRFP in Female Rats: Effects on High Fat Food Intake and Hypothalamic Prepro-QRFP Expression across the Estrous Cycle. *Peptides*, 32 (6), 1270-1275. [PMCID: PMC3109089](#)
23. **Primeaux, S. D.**, Braymer, H.D., & Bray, G.A. (2013; epub Sept. 30, 2012) High fat diet differentially regulates olfactory receptors in the duodenum of obesity-prone and obesity-resistant rats. *Digestive Diseases and Sciences*, 58 (1), 72-76. [PMCID: PMC4201503.](#)
24. **Primeaux, S. D.**, Braymer, H.D., & Bray, G.A. (2013; epub Aug. 23, 2012). CD36 mRNA in the gastrointestinal tract is differentially regulated by dietary fat intake in obesity-prone and obesity-resistant rats. *Digestive Diseases and Sciences*, 58 (2), 363-370. [PMCID: PMC4201504](#)
25. **Primeaux, S.D.**, Barnes, M.J. & Braymer, H.D. (2013; epub, Aug 27, 2013). Invited Review: Hypothalamic QRFP: Regulation of food intake and fat selection. *Hormone and Metabolic Research*, 45(13), 967-974.
26. Chen, C. S-Y., Bench, E.M., Allerton, T.A., Schreiber, A.L., Arceneaux III, K.P. & **Primeaux, S.D.** (2013; epub Oct. 23, 2013). Differential orosensory preference of linoleic acid in obesity-prone and obesity-resistant rats is attenuated by the reduction of CD36 on the tongue. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 305(11), R1346-1355. [PMCID: PMC3882564](#)
27. Simon, L., LeCapitaine, N., Berner, P., Vande Stouwe, C. Mussell, J. C , Allerton, T, **Primeaux, S. D.** Dufour J, Nelson S, Bagby G. J, Cefalu W, Molina P. E. (2014; epub March 26, 2014). Chronic binge alcohol consumption alters myogenic gene expression and reduces in vitro myogenic differentiation potential of myoblasts from rhesus macaques. *American Journal of Physiology-Regulatory, Integrative and Comparative Physiology*, 306(11), R837-R844. [PMCID: PMC4042206](#)
28. Ammon, B.S., Bellanger, D.E., Geiselman, P.J., **Primeaux, S. D.**, Yu, Y. & Greenway, F.L. (2015, epub March 26, 2015). Short-term pilot study of the effect of sleeve gastrectomy on food preference. *Obesity Surgery*, 25(6) 1094-1097. [PMCID: PMC4426060](#)
29. Allerton, T.D. & **Primeaux, S.D.** (2015, epub April 18, 2015) QRFP-26 enhances insulin's effects on glucose uptake in rat skeletal muscle cells. *Peptides*, 69, 77-79. [PMCID: PMC4450107](#)
30. Liu, A.G., Arceneaux III, K.P., Chu, J.T., Jacob, G., Schreiber, A.L., Tipton, R.C., Yu, Y., Johnson, W.D., Greenway, F.L., & **Primeaux, S.D.** (2015, epub August 4, 2015). The effect of caffeine and albuterol on body composition and metabolic rate. *Obesity*, 23 (9) 1830-1835. [PMCID: PMC4551658](#)

31. **Primeaux, S.D.**, Tzeng, T.H., Allerton, T.D., Chiang, M.C., Cosentino, G., Dubin, R.L., Varughese, A., Moore, R., Geiselman, P.J., Greenway, F.L., Uwaifo, G.I. (2015, epub Sept 18, 2015). Differences in short-term food preferences following vertical sleeve gastrectomy and Roux-en-Y gastric bypass surgery. *Obesity Research & Clinical Practice*, 9(6) 628-632.
32. **Primeaux, S.D.**, de Silva, T., Tzeng, T.H., Chiang, M.C., Hsia, D.S. (2016, epub Jun 1, 2016) Invited Review: Recent advances in the modification of taste and food preferences following bariatric surgery. *Reviews in Endocrine and Metabolic Disorders*, 17(2), 195-207.
33. Allerton, T.D. & **Primeaux, S.D.** (2016, epub Aug. 14, 2015). High fat diet differentially regulates metabolic parameters and skeletal muscle markers in obesity-resistant S5B/PI rats and obesity-prone Osborne-Mendel rats. *Canadian Journal of Physiology and Pharmacology*, 94(2) 206-215.
34. Schreiber, A.L., Arceneaux III, K.P., Malbrue, R.A., Mouton, A.J., Chen, C.S., Bench, E.M., Braymer, H.D., **Primeaux, S.D.** (2016, epub Jan 26, 2016) The effects of high fat diet and estradiol on hypothalamic prepro-QRFP mRNA expression in female rats. *Neuropeptides*, 58 103-109. [PMCID: PMC4960001](#)
35. Braymer, H.D., Zachary, H., Schreiber, A.L., **Primeaux, S.D.** (2017, epub May 15, 2017). Lingual CD36 and nutritional status differentially regulate fat preference in obesity-prone and obesity-resistant rats. *Physiology & Behavior*, 174, 120-127. [PMCID:PMC5448558](#)
36. Leprince, J. Bagnol, D., Bureau, R., Fukusumi, S., Granata, R., Hinuma, S., Larhammar, D., **Primeaux, S.**, Santos, J.S. de O., Tsutsui, K., Ukena, K., Vaudry, H. (2017; epub Sep 8, 2017). The Arg-Phe-amide peptide 26RFa/QRFP and its Receptor. IUPHAR Review. *British Journal of Pharmacology* 174 (20), 3573-360. [PMCID: PMC5610166](#)
37. Poret, J.M., Souza-Smith, F., Marcell, S.J., Gaudet, D.A., Tzeng, T.H., Braymer, H.D., Harrison-Bernard, L.M., **Primeaux, S.D.** (2018; epub Nov 20, 2017). High fat diet consumption differentially affects adipose tissue inflammation and adipocyte size in obesity-prone and obesity-resistant rats. *International Journal of Obesity*, 42(3),535-541. [PMCID: PMC5876080](#)
38. Michealides, M., Miller, M.L., Egervari, G., **Primeaux, S.D.**, Gomez, J.L., Ellis, R.J., Landry, J.A., Szutoriszi, H., Hoffman, A., Lupica, C., Loos, R.J.F., Thanos, P.K., Bray, G.A., Neumaier, J.F., Zachariou, V., Wang, G.J., Volkow, N.D., Hurd, Y. L. (epub Jun 28, 2018). Striatal Rgs4 regulates feeding and susceptibility to diet-induced obesity. *Molecular Psychiatry*. [PMCID: PMC6310669](#)
39. Poret, J.M., Battle, C., Mouton, A.J., Gaudet, D.A., Souza-Smith, F., Gardner, J.D., Braymer, H.D., Harrison-Bernard, L., & **Primeaux, S.D.** (2019, epub March 11, 2019). The prevalence of cardio-metabolic risk factors is differentially elevated in obesity-prone Osborne-Mendel and obesity-resistant S5B/PI rats. *Life Sciences*, 223, 95-101. [PMCID:PMC6461046](#)
40. Allerton, T. A., Irving, B.A., Spielmann, G., **Primeaux, S.**, Landin, D., Nelson, A., & Johannsen, N. (2019) Metabolic flexibility is impaired in response to acute exercise

in the young offspring of mothers with type 2 diabetes. *Physiological Reports*. 7(17) e14189. [PMCID:PMC6732566](https://pubmed.ncbi.nlm.nih.gov/32566/)

41. Gaudet, D.A., El-Desoky, D., Poret, J.M., Braymer, H.D., & **Primeaux, S.D.** (epub Oct 18, 2019) Expression of neural markers of gustatory signaling are differentially altered by continuous and intermittent feeding patterns. *Physiology & Behavior*.
42. Simon, L., Ferguson, T., Vande Stouwe, C., Brashear, M., **Primeaux, S.D.**, Theall, K.P., Welsh, D.A., & Molina, P.E. (epub May 25, 2020) Prevalence of insulin resistance in adults living with HIV: implications of alcohol use. *AIDS Research Human Retroviruses*.
43. Schreiber, A., Braymer, H.D., & **Primeaux, S.D.** (epub August 7, 2020). Transection of gustatory nerves differentially affects dietary fat intake in obesity-prone and obesity-resistant rats. *Chemical Senses*.

Under Review:

1. Poret, J.M., Gaudet, D.A., Braymer, H.D., & **Primeaux, S.D.** Sex Differences in markers of metabolic syndrome and adipose tissue inflammation in obesity-prone, Osborne-Mendel, and obesity-resistant, S5B/PI rats. *Life Sciences*.

In Revision:

1. Kim, C., Juncker, M., Reed, R., Nair-Desai, S., **Primeaux, S.**, Desai, S. ISG15 confers radiosensitivity to ataxia telangiectasia cells. *Radiation Research*.

Published Abstracts:

Last 4 years:

1. **Primeaux, S.D.**, Souza-Smith, F., Poret, J., Mouton, A.J., Marcell, S.J., Battle, C.A., Braymer, H.D., & Harrison-Bernard, L.M. (2016). Adipose inflammation and cardiovascular disease risk factors in obesity-prone Osborne-Mendel and obesity-resistant S5B/PI rats. *Experimental Biology Annual Meeting*.
2. Hajnal, A., Rogers, A.M., Czaja, K., DiLorenzo, P.M., & **Primeaux, S.D.** (2016). Effects of gastric bypass surgery on oral fat preference and lingual fatty acid receptor expression in high fat diet-induced obese female rats. *Association for Chemoreception Sciences Annual Meeting*.
3. **Primeaux, S.D.** (2016). Hypothalamic QRFP: A potential regulator of ethanol-mediated increase in fat preference. *Research Society on Alcoholism Annual Meeting*.
4. Poret, J.M., Battle, C.A., Mouton, A.J., Braymer, H.D., & **Primeaux, S.D.** (2016). Differential expression of cardiac biomarkers in obesity-prone and obesity resistant rats. *The Obesity Society Annual Meeting*.
5. **Primeaux, S. D.**, Gaudet, D.A., Poret, J.M. (2017). Effects of ad libitum and binge-like consumption of dietary fat on lingual CD36 mRNA. *The Obesity Society Annual Meeting*.
6. Irving, B.A., Allerton, T. Spielmann, G., **Primeaux, S.D.**, Nelson, A.G., Landin, D., Johannsen, N.M. (2017). Adult offspring of mothers with type 2 diabetes have

reduced muscle oxidative capacity measured by near infrared spectroscopy (NIRS). *American College of Sports Medicine Annual Meeting*.

7. Allerton, T.D. Irving, B., Spielmann, G., **Primeaux, S.**, Arnold, N., Landin, D., Johannsen, N. (2017). Components of metabolic flexibility improved 48 hours after high intensity interval exercise. *American College of Sports Medicine Annual Meeting*.
8. Simon, L, Ferguson, T., Brashear, M., **Primeaux, S.**, Mercante, D. Welsh, D., Molina, P.E. (2018). Chronic hazardous alcohol use in people living with HIV: Increased prevalence of insulin resistance. *Research Society on Alcoholism Annual Meeting*.
9. Molina, P.E., Simon, L., Welsh, D., Amedee, A., Siggins, R., Ferguson, F., Brashear, M., & **Primeaux, S.** (2018). Alcohol-SIV/HIV-ART interactions & resulting comorbidities. *International Society for Biomedical Research on Alcoholism*.
10. Gaudet, D.A., & **Primeaux, S.D.** (2018). Continuous and binge-like feeding patterns differentially affect gustatory neurocircuitry. *The Obesity Society Annual Meeting*.
11. Poret, J.M., & **Primeaux, S.D.** (2018). Sex differences in markers of metabolic syndrome in obesity-prone and obesity-resistant Rats. *The Obesity Society Annual Meeting*.
12. El-Desoky, D., Champ, A., Hernandez, S., & **Primeaux, S.D.** (2018). From taste buds to the brain: The effects of dietary fat intake on serotonin signaling in rat tongue. *Annual Biomedical Research Conference for Minority Students*.
13. Hernandez, S., Gaudet, D., & **Primeaux, S.** (2018). Effect of binge eating of dietary fat on markers of fat sensing and inflammation. *Annual Biomedical Research Conference for Minority Students*.
14. El-Desoky, D. & **Primeaux, S.D.** (2019). Differential effects of continuous versus intermittent dietary fat intake on markers of serotonin signaling in the circumvallate papillae of the tongue. *Experimental Biology Annual Meeting*.
15. **Primeaux, S.D.**, Brashear, M.M., Ferguson, T.K., Yeh, A., Levitt-Budnar, D.E., Simon, L., & Molina, P.E. (2019). Hazardous alcohol drinking is associated with a higher incidence of dysglycemia in Persons Living with HIV following a glucose challenge. *Gordon Research Conference*.
16. **Primeaux, S.D.**, Schreiber, A.L., Denstel, K.D., Martin, C.K., Hsia, D., & Staiano, A.E. (2020). Variation of CD36 genotype in adolescent females. *Experimental Biology Annual Meeting*.
17. **Primeaux, S.**, Ferguson, T., Brashear, M., Yeh, A., Levitt, D., Simon, L., & Molina, P. (2020). Unhealthy alcohol use is associated with a higher prevalence of dysglycemia in persons living with HIV. *Experimental Biology Annual Meeting*.
18. Simon, L., Levitt, D.E., Ferguson, T.F., Brashear, M., Primeaux, S. D., Welsh, D. A., & Molina, P.E. (2020). Factors influencing metabolic homeostasis in persons living with HIV: implications of alcohol use. *Research Society on Alcoholism Annual Meeting*.
19. Yeh, A., Bourgeois, B., Levitt, D., **Primeaux, S.**, Brashear, M., Ferguson, T., Simon, L., & Molina, P. (2020). Circulating muscle-enriched microRNAs in persons living

with HIV: associations with alcohol use. *Research Society on Alcoholism Annual Meeting*.

20. **Primeaux, S.**, Levitt, D., Yeh, A., Brashear, M., Ahmed, J., Johannsen, N., Ferguson, T., Simon, L., & Molina, P. (2020). A pilot study investigating the effects of aerobic exercise on dysglycemia in persons with unhealthy alcohol use and HIV. *Research Society on Alcoholism Annual Meeting*.
21. Levitt, D.E., **Primeaux, S.D.**, Yeh, A.Y., Peters, A., Evans-Gan, G., Ferguson, T.F., Simon, L., & Molina, P.E. (2020). Stay-at-home Mandate during COVID-19 Pandemic Negatively Impacted Dietary, Activity, and Alcohol Use Patterns in People Living with HIV with At-risk Alcohol Use. *Integrative Physiology of Exercise Virtual Meeting*.
22. **Primeaux, S.D.**, Levitt, D.E., Yeh, A.Y., Peters, A., Evans-Gan, G., Ahmed, J., Johannsen, N., Ferguson, T.F., Simon, L., & Molina, P.E. (2020). Preliminary findings from a pilot study investigating the effects of an aerobic exercise intervention in persons living with HIV with at-risk alcohol use. *Integrative Physiology of Exercise Virtual Meeting*.

Book Chapters:

Accepted:

1. **Primeaux, S.D.**, Harrison-Bernard, L.M., & Barnes, M.J. (2021) 'Neurophysiology of the Hypothalamus'. In G.I. Uwaifo Eds. *The Hypothalamus: Anatomy, Dysfunction and Disease Management* Springer Publishing.
<https://www.springer.com/us/book/9783030621865>

Research Review Committee:

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|------|--|
| 2007 | Netherlands Organisation for Scientific Research Veni programme (Innovational Research Incentive Scheme) |
| 2010 | Botanical Research Center Pilot Project Grant, Pennington Biomedical Research Center |
| 2011 | Medical Research Council, Neurosciences & Mental Health Board, United Kingdom |
| 2013 | National Institute of Health, National Center for Complementary and Alternative Medicine Education Review Committee |
| 2013 | Botanical Research Center Pilot Project Grants, Pennington Biomedical Research Center |
| 2014 | Alcohol & Drug Abuse Center of Excellence Pilot Project Grants, LSUHSC |
| 2014 | Botanical Research Center Pilot Project Grants, Pennington Biomedical Research Center |
| 2015 | Research Enhancement Project Review Committee- ad hoc member, Louisiana State University Health Sciences Center, New Orleans, LA |

2015-2018 The Obesity Society Scientific Review Committee
 2016-2017 Xavier University, RCMI/BUILD/LCRC Pilot Project Program
 2017-2018 Undergraduate Summer Research Fellowships, American Physiological Society- ad hoc reviewer
 2018 Undergraduate Research Excellence Fellowships, American Physiological Society- ad hoc reviewer
 2019 National Science Centre, Poland
 2019- Internal Funding Review Panel, School of Medicine, Louisiana State University Health Sciences Center, New Orleans, LA

Inventions and Patents:

1. Patent PCT/US2016/046352 "Methods for Treating Obesity" 12/17/2019. Co-Inventors: Dr. Frank Greenway, Dr. Hans Rudi Berthoud from Pennington Biomedical Research Center.

Scientific Presentations:

Local:

1. Role of Neuropeptides in the Olfactory Bulbectomy Syndrome. Department of Pharmacology & Physiology, University of South Carolina School of Medicine (2000).
2. Anxiety and Ethanol: Role of Neuropeptide Y. Pennington Biomedical Research Center (2003).
3. Does Fat Sensing by the Tongue Alter the Susceptibility to Obesity? Nutrition and the Brain Division, Pennington Biomedical Research Center (2007).
4. High Fat Diets and the Link to Obesity. Department of Physiology, Louisiana State University Health Sciences Center at New Orleans (2009).
5. Differential orosensory detection of linoleic acid in obesity-prone and obesity-resistant rats is attenuated by the reduction of CD36 on the tongue. Department of Medicine, Endocrinology Fellowship Meeting, Louisiana State University Health Sciences Center at New Orleans (2013).
6. High fat diet differentially regulates olfactory receptors in the duodenum of obesity-prone and obesity-resistant rats. Department of Medicine Annual Research Day, LSU Health Sciences Center (2013).
7. Hypothalamic QRFP: Regulation of Food Intake and Fat Selection. Department of Genetics, Louisiana State University Health Sciences Center at New Orleans (2013).
8. Gastric bypass surgery leads to short-term decreases in high fat food preferences. Department of Medicine Annual Research Day, LSU Health Sciences Center (2014).
9. QRFP: Regulation of food intake. Louisiana Biomedical Research Network (2014)
10. Hypothalamic QRFP: Regulation of food intake and fat selection. Department of Physiology; Louisiana State University Health Sciences Center at New Orleans (2014).
11. The Science of Taste Preference: Does it have an impact on obesity? Louisiana State University Health Sciences Center at New Orleans (2014).
12. Obesity. Department of Internal Medicine, Endocrinology Section. Louisiana State University Health Sciences Center at New Orleans (2014).

13. Susceptibility to Obesity: Inflammation and Vascular Function. Cardiovascular COBRE, LSU Health Sciences Center at New Orleans (2015).
14. Effects of QRFP on Metabolic Parameters. Department of Physiology; Louisiana State University Health Sciences Center at New Orleans (2015).
15. Dietary Fat and the Development of Obesity. Department of Animal Care, Louisiana State University Health Sciences Center at New Orleans (2016).
16. Susceptibility to Obesity: Inflammation and Vascular Function. Cardiovascular COBRE, LSU Health Sciences Center at New Orleans (2016).
17. Role of Lingual Fat Sensing on Dietary Fat Intake and Preference. Department of Physiology; Louisiana State University Health Sciences Center at New Orleans (2017).
18. The Science of Taste Preference: Does it have an impact on obesity? BEST: Louisiana State University Health Sciences Center at New Orleans (2017).
19. Role of Lingual Fat Sensing on Fat Intake, Fat Preference and Obesity. Department of Physiology; Louisiana State University Health Sciences Center at New Orleans (2020).

National:

1. CD36 Receptor Expression on the Tongue is Differentially Affected by High Fat Diet in Obesity-prone and Obesity-resistant Rats. *Society of the Study of Ingestive Behaviors Annual Meeting* (2010).
2. Differential expression of cardiac biomarkers in obesity-prone and obesity resistant rats. *The Obesity Society Annual Meeting* (2016).
3. Effects of ad libitum and binge-like consumption of dietary fat on lingual CD36 mRNA. *The Obesity Society Annual Meeting* (2017).

Editorial Posts and Activities:

Journal editorships or associate editorships:

2016-present International Journal of Obesity, Editorial Board

2018-present Biomedicine and Pharmacology, Associate Editor

Reviewer status:

Ad hoc Reviewer:

American Journal of Physiology- Regulatory, Integrative and Comparative Physiology

American Journal of Clinical Nutrition

Angiogenesis

Animal: An International Journal of Animal Bioscience

Appetite

Behavioural Brain Research

BMC Cancer

BMC Complementary and Alternative Medicine

BMC Public Health

Cellular and Molecular Neurobiology

Clinical Medicine Insights: Therapeutics

Current Opinion in Behavioral Science
Diabetes Metabolic Syndrome and Obesity
European Journal of Pharmacology
Experimental Biology & Medicine
Experimental and Molecular Pathology
Food Bioscience
General and Comparative Endocrinology
Hormone & Metabolic Research
International Journal of Environmental Research and Public Health
International Workshop on Medicine and Healthcare
International Journal of Obesity
Journal of Biomedicine and Biotechnology
Journal of Nutritional Science
Journal of Molecular and Genetic Medicine
Journal of Obesity
Life Sciences
Lipids
Molecular Nutrition & Food Research
Neuropeptides
Neuropharmacology
Neuropsychopharmacology
Neuroscience Letters
Nutrients
Nutrition & Diabetes
Obesity
Peptides
Pharmacological Research
Pharmacology, Biochemistry & Behavior
Pharmacology, Physiology & Behavior
Physiology & Behavior
PLOS One
Progress in Neuro-Psychopharmacology & Biological Psychiatry
Nutrition Research
Synapse
Vascular Health and Risk Management

Institutional Animal Care Committee Reviewer:

2010 Institute of Mental Health Research Animal Care Committee, University of
Ottawa, Institute of Mental Health Research, Ottawa, Ontario, Canada

Scientific Society Meeting Session Chair:

2010 Co-Chair "Regulation of Adipocyte Metabolism" The Obesity Society
Annual Meeting

- 2019 Co-Chair, Featured Topic “Sex-specific Differences in Obesity-induced Hypertension”, American Physiological Society, Endocrinology and Metabolism Section, *Experimental Biology Annual Meeting*.
- 2021 Co-Chair, Mentoring Symposium “Evaluations & Critiques: Giving and Receiving Teaching Evaluations” American Physiological Society, Endocrinology and Metabolism Section, *Experimental Biology Annual Meeting*.
- 2021 Co-Chair, Mentoring Symposium “Evaluations & Critiques: Giving and Receiving Critiques on Grant Proposals” American Physiological Society, Endocrinology and Metabolism Section, *Experimental Biology Annual Meeting*.
- 2021 Co-Chair, Mentoring Symposium “Evaluations & Critiques: Giving and Receiving Performance Evaluations” American Physiological Society, Endocrinology and Metabolism Section, *Experimental Biology Annual Meeting*.

SERVICE ACTIVITIES

University/Institutional Service:

Departmental committees:

- 2010-2014 Endocrine Fellowship Program Review Committee, Department of Internal Medicine
Louisiana State University Health Sciences Center, New Orleans, LA
- 2013-2014 Chair of Research Mentoring Committee for Endocrinology Fellowship, Department of Internal Medicine
Louisiana State University Health Sciences Center, New Orleans, LA
- 2013-2014 Clinical Competency Committee for Endocrinology Fellowship, Department of Internal Medicine
Louisiana State University Health Sciences Center, New Orleans, LA
- 2014-present Research Mentoring Committee for Endocrinology Fellowship, Department of Internal Medicine
Louisiana State University Health Sciences Center, New Orleans, LA
- 2014-present Graduate Student Recruitment Task Force
Department of Physiology
Louisiana State University Health Sciences Center, New Orleans, LA
- 2018-present Physiology Teaching Taskforce
Department of Physiology
Louisiana State University Health Sciences Center, New Orleans, LA
- 2018-present Physiology Wellbeing Committee
Department of Physiology
Louisiana State University Health Sciences Center, New Orleans, LA

School committees:

- 2015-present Interdisciplinary Program Curriculum Review Committee, School of Graduate Studies,
Louisiana State University Health Sciences Center, New Orleans, LA
- 2011-present Committee on Women's Affairs, School of Medicine
Louisiana State University Health Sciences Center, New Orleans, LA
- 2011-present Committee on Scholarships and Student Awards
Louisiana State University Health Sciences Center, New Orleans, LA
- 2017-present Mentoring Undergraduate Students for Excellence in Scholarship (MUSES) Program, School of Nursing
Louisiana State University Health Sciences Center, New Orleans, LA
- 2017-present Graduate Orientation Committee, Co-Chair, School of Graduate Studies
Louisiana State University Health Sciences Center, New Orleans, LA
- 2018-present HOUSES Program, School of Medicine
Louisiana State University Health Sciences Center, New Orleans, LA
- 2018-present Faculty Assembly, School of Medicine
Louisiana State University Health Sciences Center, New Orleans, LA
- 2018-present Chair of Faculty Assembly Awards Subcommittee
Louisiana State University Health Sciences Center, New Orleans, LA
- 2019-present President-Elect, Faculty Assembly, School of Medicine
Louisiana State University Health Sciences Center, New Orleans, LA
- 2019-present Internal Funding Review Panel, School of Medicine
Louisiana State University Health Sciences Center, New Orleans, LA
- 2019-present Graduate School Curriculum Committee, School of Graduate Studies
Louisiana State University Health Sciences Center, New Orleans, LA

LSUHSC (campus) committees:

- 2016-present Interprofessional Education Committee-Obesity Section
Louisiana State University Health Sciences Center, New Orleans, LA
- 2017-present Interprofessional Education Facilitator,
Louisiana State University Health Sciences Center, New Orleans, LA
- 2019-present Faculty Senate, School of Medicine Representative
Louisiana State University Health Sciences Center, New Orleans, LA

Professional society committees

- 2014-2017 Scientific Review Committee, The Obesity Society
- 2015-2017 Basic Science Abstract Selection Committee, The Obesity Society
- 2018-2020 Association for Women in Science-South Louisiana Chapter, Treasurer
- 2018-present Career Opportunities in Physiology Committee, American Physiological Society
- 2020-present Central Nervous System Section Steering Committee, American Physiological Society

Special assignments – ad hoc task forces/working groups, projects, etc

2013-present International Union of Basic and Clinical Pharmacology: QRFP
subcommittee

Community Service Activities:

2008 Guest Lecturer/Mentor, Career Day, St. Joseph's Academy, Baton
Rouge, LA

2011, 2014 Chair of Nervous System Section for 2nd grade Human Body Day,
St. Thomas More School, Baton Rouge, LA

2016-present Science Fair Judge, Greater New Orleans Science and Engineering Fair
(GNOSEF), Junior Biological Sciences-Biochemistry, Cell & Molecular
Biology Section, New Orleans, LA