

CURRICULUM VITAE

Stefany DePrato Primeaux, Ph.D.

Current Title: Associate Professor-Research

Business Address: Department of Physiology
Louisiana State University Health Science Center
2020 Gravier Street, Lions 734
New Orleans, LA 70112

Business Telephone: 504-568-2633

Business email Address: sprime@lsuhsc.edu

Education:

Undergraduate:

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

Graduate/Medical:

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

2000 Ph.D., University of Georgia, Athens, GA, 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, LSU Health Sciences Center-NO

2010-present Adjunct Faculty, Joint Program in Diabetes, Metabolism and Endocrinology, Pennington Biomedical Research Center, Baton Rouge, LA

2010-2014 Adjunct Faculty, Department of Physiology, LSU Health Sciences Center-NO

2012-2018 Graduate faculty (Associate member), School of Graduate Studies, LSU Health Sciences Center-NO

2013-present Adjunct Faculty, Alcohol & Drug Abuse Center of Excellence, LSU Health Sciences Center-NO

2014-2019 Assistant Professor-Research, Department of Physiology, LSU Health Sciences Center-NO

- 2017-present Adjunct Faculty, Cardiovascular Center of Excellence,
LSU Health Sciences Center-NO
- 2018-present Graduate Faculty (Full member), School of Graduate Studies,
LSU Health Sciences Center-NO
- 2019-present Associate Professor-Research, Department of Physiology,
LSU Health Sciences Center-NO
- 2023-present Curriculum Director of Biomedical Sciences, School of Graduate
Studies, LSU Health Sciences Center-NO

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
- 2018-2020 Association for Women in Science, member
- 2018-2020 Association for Women in Science South Louisiana Chapter, Treasurer
- 2020-2021 American College of Sports Medicine
- 2021-2023 Association for Chemical Senses

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 |
| 2022 | Chancellor's Excellence Award, Louisiana State University Health Sciences Center, New Orleans, LA |

TEACHING EXPERIENCE AND RESPONSIBILITIES

Curriculum Development/Implementation:

- | | |
|--------------|---|
| 2017 | <p>INTER143/BIOMED143: Experimental Design & Analysis</p> <p>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.</p> <p>School of Graduate Studies, Louisiana State University Health Sciences Center, New Orleans, LA</p> |
| 2023 | <p>PHYSIO110: Experimental Design & Analysis</p> <p>Developed as an elective for first-year medical students interested in biomedical research. The purpose of this course is to provide an overview of basic principles of experimental design and biostatistics and prepare students for competitive research internships by presenting and discussing important topics relevant to becoming a physician-scientist.</p> |
| 2023-present | <p>PhD in Biomedical Sciences Year 1 Curriculum</p> <p>As Curriculum Director of Biomedical Sciences in School of Graduate Studies, worked with Curriculum Taskforce to develop a new, integrated, modern curriculum to provide foundational content to first year graduate students in Biomedical Sciences.</p> |
| 2023-present | <p>BIOMED110/BIOMED111: Fundamental Concepts in Biomedical Sciences I & II</p> <p>Worked with SGS Curriculum Taskforce to develop a series of courses to emphasize the molecular processes critical to understanding the complexities of living organisms at a cellular level.</p> |
| 2023-present | <p>BIOMED120/BIOMED121: Integrated Systems in Biomedical Sciences I & II</p> <p>Worked with SGS Curriculum Taskforce to develop a series of courses to integrate basic principles from neuroscience, physiology, pharmacology, genetics and cancer biology.</p> |
| 2023-present | <p>BIOMED130/BIOMED131: Techniques & Trends in Biomedical Sciences I & II</p> |

Worked with SGS Curriculum Taskforce to develop a series of courses to introduce graduate students to standard methodologies and the latest technologies used in modern biomedical research.

Formal Course Responsibilities:

Course Directorship:

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
45 contact hours/semester, approximately 30 students/semester

2003 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
30 contact hours, 6 students

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

LSU Health Sciences Center-NO School of Medicine

Course Directorship:

2023-present PHYSIO110: Experimental Design & Analysis
Responsible for organizing topics, lecturers, developing and grading assignments and lecturing on various topics in the course.
15 contact hours/semester, approximately 20 students/year

Instructor/Lecturer:

2023-present PHYSIO110: Experimental Design & Analysis
(Basic science and clinical experimental design, theory of biostatistics, Regulatory basics)-First-year medical students
8 contact hours/year

2023-present BIOCH100: Biochemistry
(Team Based Learning activity on Obesity)
2 contact hours/year-First year medical students

LSU Health Sciences Center-NO School of Graduate Studies

Course Directorship:

2015-2016 PHYSIO290: Physiology Journal Club

- Responsible for guiding graduate student-led discussion of journal articles relevant to Physiology
18 contact hours/semester, approximately 10 students/semester
- 2016-2018 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
18 contact hours/semester, approximately 3 students/semester
- 2017-present INTER143/BIOMED143: 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.
30-45 contact hours/semester, approximately 10 students/semester
- 2023 PHYSIO212: Cardiovascular Physiology
Graduate student course on concentrating on cardiometabolic diseases. Responsibilities include organizing lecture, lecturing on various topics, administrative functions for course management.
30 contact hours
- 2024-present BIOMED120/BIOMED121: Integrated Systems in Biomedical Sciences I & II
This course is part of the required core curriculum for the Biomedical Sciences PhD and Master's Programs. Responsible for organizing topics, lecturers, developing and grading exams and lecturing on various topics in the course.
45 contact hours/semester

Course Co-Directorship:

- 2019 ANAT 280: Professionalism in Biomedical Sciences
Designed 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.
7.5 contact hours/semester
- 2022-2023 PHYSIO289: Perspectives on Alcohol Research
Alcohol research seminar series for graduate students and post-doctoral fellows involved in alcohol research. Responsibilities include organizing guest speakers, developing seminars related to ethics and presenting alcohol-related research seminars.
15-20 contact hours/semester, approximately 10 students/year
- 2024-present BIOMED130/BIOMED131: Techniques & Trends in Biomedical Sciences I & II
This course is part of the required core curriculum for the Biomedical Sciences PhD Program. Responsible for organizing topics, lecturers,

developing and grading exams and lecturing on various topics in the course.

45 contact hours/semester

Instructor/Lecturer:

2011-2014	INTER132: Biological Systems-Endocrine (Regulation of Food Intake, Obesity) 2.5 contact hours/semester
2013	PHYSIO291: Physiology and Pathophysiology of the GI tract (Gastrointestinal regulation of feeding behavior) 2 contact hours
2015	PHYSIO216: Endocrinology (Regulation of adipose tissue and gut hormones) 2 contact hours
2016	INTER123: Control of Gene Expression (Introduction to experimental design and biostatistics) (led to the development of INTER143: Experimental Design & Analysis) 5 contact hours
2017	PHYSIO289: Physiology of Neuronal Circuits (Physiology of eating disorders) 1 contact hour
2017-present	INTER143/BIOMED143: Experimental Design and Analysis (Basic experimental design, theory of biostatistics and excel basics to graduate students) 7.5 contact hours/semester
2020-present	INTER200/INTER150: Professionalism in Science (Communication in Science) 1 contact hour
2020	PHYSIO289: Physiological Basis of Behavior (Ingestive Behaviors) 1 contact hour
2023	PHYSIO212: Cardiovascular Physiology (Obesity and Cardiovascular Disease, Estrogen and Cardiovascular Disease)-Graduate Students 3 contact hours
2024-present	BIOMED120/BIOMED121: Integrated Systems in Biomedical Sciences I & II (Membrane transport, sensory physiology, feeding circuitry) 6 contact hours

LSU Health Sciences Center-NO School of Nursing

Course Directorship:

2017-present HLSC3410CA: Human Pathophysiology for Nursing, Accelerated Program. Responsible for updating course curriculum and lecturers,

overall management of course via Moodle, development and administration of exams, grading of exams, lecturing and meeting and mentoring nursing students.

45 contact hours

2017-present HLSC3410: Human Pathophysiology for Nursing, either Spring or Fall Semester. Responsible for updating course curriculum and lecturers, overall management of course via Moodle, development, and administration of exams, grading of exams, lecturing and meeting and mentoring nursing students.

45 contact hours

Course Co-Directorship:

2014-2017 HLSC3410 Human Pathophysiology for Nursing, either Spring or Fall

2020-present Semester. Responsibilities included posting lecture material to Moodle, organizing and assessing online quizzes, meeting with students, lecturing on various topics

45 contact hours/semester

Instructor/Lecturer:

2011-2022 HLSC2410: Nursing Physiology

(Neural signaling and sensory systems)-Undergraduate nursing students

2011-present HLSC3410, HLSC3410CA: Human Pathophysiology for Nursing

(Pathophysiology of metabolic syndrome, cardiac function, skin disorders, endocrine and reproductive disorders, genetics, cell adaptation, and fluid regulation)-Undergraduate nursing students

5-8 contact hours/semester

2020-present NURS3470: BSN Honors Seminar

(Experimental design basics)-MUSES students

2 contact hours

LSU Health Sciences Center-NO School of Dentistry

Instructor/Lecturer:

2011-2012 DHY3202: Dental Hygiene Physiology

2023 (Neural Transmission, Sensory Physiology, Metabolism, Aging, Wound Healing, Muscle Physiology)-Undergraduate Dental Hygiene students,
2-4 contact hours/semester

2011-2015 DENT1115: Dental Physiology

2018-present (Neural signaling, gustatory physiology)-Dental students

2-7 contact hours/semester

LSU Health Sciences Center-NO School of Allied Health Professionals

Course Co-Directorship:

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
27 contact hours/semester

Instructor/Lecturer:

2017-present OCCT6624: Pathophysiology and Medical Consequences
(Pathophysiology of metabolic syndrome, cardiac function, skin disorders, endocrine and reproductive disorders, genetics, cell adaptation, and fluid regulation)-Occupational therapy students
5-8 contact hours/semester

Departmental/Interdisciplinary Teaching Conferences:

2011-2015 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

At LSU Health Sciences Center-NO

2014 Elle Lovick, NIAAA Summer Student Program
2018 Anna Champ, Summer Student Program
2019 Corinne Martin, Summer Student Program
2022, 2023 Jolie Primeaux, Summer Student Program

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 |

Undergraduate Students at LSU Health Sciences Center-NO

- | | |
|------|---|
| 2011 | Eli Bench, Endocrinology Section, Department of Internal Medicine |
| 2014 | Mallory Lowe, NIAAA Summer Student Program |
| 2014 | Jacquell Tircuit, Louisiana Biomedical Research Network Summer
Student Program |
| 2015 | Brooke Lawrence, NIAAA Summer Student Program |
| 2016 | Patricia-Marie MgBodile, NIAAA Summer Student Program |
| 2018 | Dalia El-Desoky, Louisiana Biomedical Research Network Summer
Student Program |

Graduate Students at LSU Health Sciences Center-NO:

- | | |
|------|---|
| 2011 | Regina Chustz, Interdisciplinary Graduate Student program |
| 2012 | Alan Mouton, Interdisciplinary Graduate Student program |
| 2014 | Tony Tzeng, MD/PhD program |
| 2015 | Shawn Marcell, Interdisciplinary Graduate Student program |
| 2016 | Jonquil Poret, Biomedical Sciences Master's program |
| 2016 | Darryl Gaudet, Biomedical Sciences Master's program |
| 2019 | Elizabeth Alexis, Biomedical Sciences Master's program |
| 2021 | Jennifer Li, Biomedical Sciences Master's program |
| 2023 | Mary Catherine Dematteo, Biomedical Sciences Master's program |

Nursing Students in the Mentoring Undergraduate Students for Excellence in Scholarship (MUSES) Program at LSU Health Sciences Center-NO:

- | | |
|------|---------------------|
| 2015 | Claire Battle |
| 2018 | Ian Readeau |
| 2018 | Shannon Householder |
| 2019 | Jeremy Moniz |
| 2020 | Angelis Gray |
| 2021 | Cody Gulizo |
| 2021 | Amanda Weir |
| 2022 | Liezle Figueras |

Post-Baccalaureate Students at LSU Health Sciences Center-NO:

- | | |
|------|---|
| 2018 | Shekinah Hernandez, Postbaccalaureate Research Education Program
(PREP) in Biomedical Sciences |
|------|---|

Medical Students, Residents at LSU Health Sciences Center-NO:

2011	Deepu Thoppil, Internal Medicine Resident
2012	Conor Coogan, Medical Student Summer Research Internship
2016	Thomas Dowling, Medical Student
2020	Eden Gallegos, Medical Student
2021	Bethany Acosta, Medical Student
2022	Caroline Neck, Medical Student, T35 Summer Research Intern
2022	Chloe Sterling, Medical Student
2022-present	Meva Beganovic, Medical Student
2023	Catherine Rockwell, Medical Student, T35 Summer Research Intern
2023	Ashley St. Martin, Medical Student
2023-present	Jordan Book, Medical Student
2023-present	Renee Rumsey, Medical Student

Thesis and Dissertation Committees:

2013-2017	Timothy Allerton, Dissertation Committee Member Department of Kinesiology Louisiana State University, Baton Rouge, LA
-----------	---

At LSU Health Sciences Center-NO:

2014-2017	Stephen Ford, Dissertation Committee Member, Department of Physiology
2016-2018	Jonquil Poret, <i>Thesis Committee Chair</i> , Department of Physiology
2016-2018	Darryl Gaudet, <i>Thesis Committee Chair</i> , Department of Physiology
2020-2022	Nicholas Fried, Dissertation Committee Member, Department of Physiology
2020-2023	Taylor Templeton, Dissertation Committee Member, Department of Physiology
2021-2023	Anna Whitehead, Dissertation Committee Member, Department of Physiology
2021	Ashlee Williams, Thesis Committee Member, Department of Physiology
2022-	Joshua Edavettal, Dissertation Committee Member, Department of Physiology

Post-Doctoral or Post-Residency Fellows Trained at LSU Health Sciences Center-NO:

2011-2013	Robert Dubin, MD, Endocrine Fellow
2013-2014	Gina Cosentino, MD, Endocrine Fellow
2013-2014	Monica Chiang, MD, Endocrine Fellow
2013-2014	Amy Varughese, MD, Endocrine Fellow
2019	Nabil Ahmed, MD, Postdoctoral Fellow

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 decreases 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. NIH/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 09/01/2017-08/31/2022, 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.

11. NIH/National Institute for Aging, P01 AG071746 "Estrogens, Cardiometabolic Health, and Female Cognitive Aging", **Co-Investigator** with 10% effort (Jill Daniel, PhD, P.I.), Period of Support 12/01/2021-11/30/2026, Total Direct Costs for subcontract \$129,943.
12. NIH/National Institute for General Medical Sciences, R25 GM148309 "LSUHSC-New Orleans Postbaccalaureate Research Education Program in Biomedical Sciences", **Program Coordinator** with 20% effort, (Lisa Harrison-Bernard, PhD, P.I.), Period of Support 04/04/23-03/31/28, Total Direct Costs \$1,300,756.

Pending:

1. NIH/National Institute of Alcohol Abuse and Alcoholism, R01 AA031012-01A1 "Combined behavioral exercise intervention to improve cardiometabolic health and reduce associated behavioral risk factors including alcohol misuse" **Co-Investigator** with 10% effort (Patricia Molina, MD, PhD, P.I.), Period of Support 10/31/2024-10/30/2029, Total Direct Costs \$ 3,049,645.

Non-funded applications (last five years):

1. 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.
2. 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.

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.

3. NIH/National Institute of Alcohol Abuse and Alcoholism, R01 AA031012 “Integrated behavioral and physical intervention to improve cardiometabolic health and decrease at-risk alcohol use”, **Co-Principal Investigator** (multi-PI) with 10% effort, Period of support 07/01/2023-06/30/2028, Total Direct Costs \$1,266,005.

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. PMID: 9881871 DOI: [10.1016/s0306-4522\(98\)00029-3](https://doi.org/10.1016/s0306-4522(98)00029-3)
2. **Primeaux, S. D.** & Holmes, P. V. (1999). Role of aversively-motivated behavior in the olfactory bulbectomy syndrome. *Physiology & Behavior*, 67 (1), 41-47. PMID: 10463627 DOI: [10.1016/s0031-9384\(99\)00027-x](https://doi.org/10.1016/s0031-9384(99)00027-x)
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. PMID: 10841991 DOI: [10.1016/s0304-3940\(00\)01137-x](https://doi.org/10.1016/s0304-3940(00)01137-x)
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. PMID: 11124398 DOI: [10.1016/s0091-3057\(00\)00358-0](https://doi.org/10.1016/s0091-3057(00)00358-0)
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. PMID: 12211093 DOI: [10.1002/syn.10105](https://doi.org/10.1002/syn.10105)
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. PMID: 12724179 DOI: [10.1111/j.1749-6632.2003.tb07102.x](https://doi.org/10.1111/j.1749-6632.2003.tb07102.x)
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. PMID: 14519525 DOI: [10.1016/s0006-8993\(03\)03337-7](https://doi.org/10.1016/s0006-8993(03)03337-7)
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. PMID: 15251253 DOI: [10.1016/j.pbb.2004.04.017](https://doi.org/10.1016/j.pbb.2004.04.017)
 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. PMID: 15770236 DOI: [10.1038/sj.npp.1300705](https://doi.org/10.1038/sj.npp.1300705)
 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. PMID: 16426702 DOI: [10.1016/j.peptides.2005.12.009](https://doi.org/10.1016/j.peptides.2005.12.009)
 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. PMID: 16634847 DOI: [10.1111/j.1530-0277.2006.00092.x](https://doi.org/10.1111/j.1530-0277.2006.00092.x)
 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. PMID: 16996647 DOI: [10.1016/j.peptides.2006.08.008](https://doi.org/10.1016/j.peptides.2006.08.008)
 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](https://pubmed.ncbi.nlm.nih.gov/PMC1892843/) DOI: [10.1016/j.pbb.2006.09.025](https://doi.org/10.1016/j.pbb.2006.09.025)
 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](https://pubmed.ncbi.nlm.nih.gov/PMC1978179/) DOI: [10.1016/j.bbr.2007.03.005](https://doi.org/10.1016/j.bbr.2007.03.005)
 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. PMID: 17634202 DOI: [10.1152/ajprequ.00224.2007](https://doi.org/10.1152/ajprequ.00224.2007)
 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](https://pubmed.ncbi.nlm.nih.gov/PMC2584848/) DOI: [10.1152/ajprequ.00030.2008](https://doi.org/10.1152/ajprequ.00030.2008)
 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](https://pubmed.ncbi.nlm.nih.gov/PMC2610851/) DOI: [10.1016/j.peptides.2008.07.024](https://doi.org/10.1016/j.peptides.2008.07.024)
 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/PI rats. *International Journal of Obesity*, 34(9), 1427-1433. PMCID: [PMC2910155](#) DOI: [10.1038/ijo.2010.78](#)
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](#) DOI: [10.1038/ijo.2010.78](#)
 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](#) DOI: [10.1016/j.brainres.2010.10.040](#)
 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](#) DOI: [10.1016/j.bbr.2010.10.027](#)
 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](#) DOI: [10.1016/j.peptides.2011.03.022](#)
 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](#) DOI: [10.1007/s10620-012-2421-z](#)
 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](#) DOI: [10.1007/s10620-012-2364-4](#)
 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. PMCID: [PMC4239704](#) DOI: [10.1055/s-0033-1353181](#)
 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). Preference for 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](#) DOI: [10.1152/ajprequ.00582.2012](#)
 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](#) DOI: [10.1152/ajprequ.00502.2013](#)

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](#) DOI: [10.1007/s11695-015-1602-1](#)
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](#) DOI: [10.1016/j.peptides.2015.04.006](#)
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](#) DOI: [10.1002/oby.21163](#)
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. PMID: 26388138 DOI: [10.1016/j.orcp.2015.09.003](#)
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. PMID: 27245858 DOI: [10.1007/s11154-016-9365-0](#)
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/Pl rats and obesity-prone Osborne-Mendel rats. *Canadian Journal of Physiology and Pharmacology*, 94(2) 206-215. PMCID: [PMC9592222](#) DOI: [10.1139/cjpp-2015-0141](#)
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](#) DOI: [10.1016/j.npep.2016.01.004](#)
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](#) DOI: [10.1016/j.physbeh.2017.03.015](#)
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](#) DOI: [10.1111/bph.13907](#)
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](#) DOI: [10.1038/ijo.2017.280](#)

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. (2020, epub Jun 28, 2018). Striatal Rgs4 regulates feeding and susceptibility to diet-induced obesity. *Molecular Psychiatry*, 25 (9), 2058-2069. [PMCID: PMC6310669](#) DOI: [10.1038/s41380-018-0120-7](#)
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](#) DOI: [10.1016/j.lfs.2019.03.022](#)
40. Allerton, T. D., 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](#). DOI: [10.14814/phy2.14189](#).
41. Gaudet, D.A., El-Desoky, D., Poret, J.M., Braymer, H.D., & **Primeaux, S.D.** (2019, epub Oct 18, 2019) Expression of neural markers of gustatory signaling are differentially altered by continuous and intermittent feeding patterns. *Physiology & Behavior*. [PMCID: PMC6897321](#) DOI: [10.1016/j.physbeh.2019.112719](#)
42. Simon, L., Ferguson, T., Vande Stouwe, C., Brashear, M., **Primeaux, S.D.**, Theall, K.P., Welsh, D.A., & Molina, P.E. (2020, epub May 25, 2020) Prevalence of insulin resistance in adults living with HIV: implications of alcohol use. *AIDS Research Human Retroviruses*, 36(9), 745-752. [PMCID: PMC7482115](#) DOI: [10.1089/AID.2020.0029](#)
43. Schreiber, A., Braymer, H.D., & **Primeaux, S.D.** (2020, epub August 7, 2020). Transection of gustatory nerves differentially affects dietary fat intake in obesity-prone and obesity-resistant rats. *Chemical Senses*, 45(7) 541-548. [PMCID: PMC7545249](#) DOI: [10.1093/chemse/bjaa053](#)
44. Poret, J.M., Gaudet, D.A., Braymer, H.D., & **Primeaux, S.D.** (2021, epub Mar 1, 2021). Sex Differences in markers of metabolic syndrome and adipose tissue inflammation in obesity-prone, Osborne-Mendel, and obesity-resistant, S5B/PI rats. *Life Sciences*, 273: 119290 [PMCID: PMC9594853](#) DOI: [10.1016/j.lfs.2021.119290](#)
45. **Primeaux, S.D.**, Simon, L., Ferguson, T.F., Levitt, D.E., Brashear, M.M., Yeh, A., & Molina P.E. (2021, epub Aug 2, 2021). Alcohol use and dysglycemia among people living with human immunodeficiency virus (HIV) in the Alcohol & Metabolic Comorbidities in PLWH: Evidence Driven Interventions (ALIVE-Ex) Study. *Alcoholism: Clinical & Experimental Research*, 45(9): 1735-1746. [PMCID: PMC8547613](#) DOI: [10.1111/acer.14667](#)
46. Levitt, D.E., Ferguson, T.F., **Primeaux, S.D.**, Zavala, J.A., Ahmed, J., Marshall, R.H., Simon, L., & Molina, P.E. (2021, accepted Sept. 2021). Muscle bioenergetic health and function in people living with HIV: Association with glucose tolerance and alcohol use. *American Journal of Physiology-Regulatory, Integrative, and Comparative Physiology*, 321(5): R781-R790. [PMCID: PMC8616628](#) DOI: [10.1152/ajprequ.00197.2021](#)

47. Rosen, E.M., **Primeaux, S.D.**, Simon, L., Welsh, D.A., Molina, P.E., & Ferguson, T.F. (2022, accepted Aug 2021). Associations of Binge Drinking and Heavy Alcohol Use on Sugar and Fat Intake in a Cohort of Southern People Living with HIV. *Alcohol and Alcoholism*, 57(2): 226-233. PMCID: [PMC8919410](#) DOI: [10.1093/alcalc/agab066](#)
48. Bourgeois, B.L., Lin, H.Y., Yeh, A.Y., Levitt, D.E., **Primeaux, S.D.**, Ferguson, T.F., Molina, P.E., Simon, L. (2022, accepted, Nov 2021). Unique circulating microRNA associations with dysglycemia in people living with HIV and alcohol use. *Physiological Genomic*, 54(1): 36-44. PMCID: [PMC8891241](#) DOI: [10.1152/physiolgenomics.00085.2021](#)
49. Martin, C. & **Primeaux, S.D.** (2023, accepted Jan 2023). The hypothalamic neuropeptide, QRFP, regulates high fat diet intake in female Long-Evans rats following ovariectomy. *Peptides*. PMCID: [PMC9992330](#) DOI: [10.1016/j.peptides.2023.170960](#)
50. **Primeaux, S.D.**, Dubin, R., & Greenway, F.L (2023, accepted Apr 2023). Orlistat Mouth Rinse: Using the Tongue to Deliver Anti-Obesity Medication in a Double-Blind Randomized Crossover Pilot Trial. *Diabetes, Obesity & Metabolism*. PMCID: [PMC10330229](#) DOI: [10.1111/dom.15101](#)
51. Simon, L., **Primeaux, S.D.**, Levitt, D.E., Bourgeois, B., Johannsen, N.M., Peters, A., Ahmed, J., Marshall, R.H., Fairchild, A.H., Ferguson, T.F., Molina, P.E. (2023). An aerobic exercise intervention to improve metabolic health among people living with HIV with at-risk alcohol use: The ALIVE-Ex research study protocol. *AIDS Research & Therapy*, 20(1):35, PMCID: [PMC10251573](#), DOI: [10.1186/s12981-023-00530-2](#)

Presentation Abstracts:

Last 5 years:

1. 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*.
2. 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*.
3. Gaudet, D.A., & **Primeaux, S.D.** (2018). Continuous and binge-like feeding patterns differentially affect gustatory neurocircuitry. *The Obesity Society Annual Meeting*.
4. 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*.
5. 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*.
6. 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*.

7. 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*.
8. **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*.
9. **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*.
10. **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*.
11. 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*.
12. 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*.
13. **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*.
14. 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*.
15. **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*.
16. **Primeaux, S.D.**, Byerley, L.O., Rosen, E. M., Ferguson, T.F., Welsh, D.A., & Molina, P.E (2021). Effects of at-risk and recent alcohol use on diet quality among people living with HIV (PLWH). *Experimental Biology Annual Meeting*.
17. Bourgeois, B., Yeh, A., **Primeaux, S.D.**, Levitt, D., Brashear, M., Ferguson, T., Molina, P., Simon, L. (2021). Associations between circulating microRNAs and measures of insulin/glucose dynamics in people living with HIV with dysglycemia. *Experimental Biology Annual Meeting*.
18. Levitt, D. E., Ferguson, T.F., **Primeaux, S.D.**, Zavala, J.A., Simon, L., & Molina, P.E. (2021). Skeletal muscle mitochondrial profile is dysregulated in prediabetic people

living with HIV and aggravated by alcohol use. *Research Society on Alcoholism Annual Meeting*.

19. Rosen, E.M., **Primeaux, S.D.**, Welsh, D.A., Molina, P.E., & Ferguson, T.F. (2021). Sugar and fat intake in binge and heavy drinking: Differences in HIV+ and HIV-. *Research Society on Alcoholism Annual Meeting*.
20. **Primeaux, S.D.**, Weir, A., Denstel, K., Martin, C.K., Hsia, D. & Staiano, A (2022). Role of taste receptor gene variations (SNPs) on diet quality in adolescent females. *Experimental Biology Annual Meeting*.
21. **Primeaux, S.D.** (2022) Intake of high fat diet leads to over-expression of CD36, QRFP, and QRFP α in the gustatory neural circuit. *Experimental Biology Annual Meeting*.
22. **Primeaux, S.D.**, Peters, A., Levitt, D. Bourgeois, B., Ahmed, J., Johannsen, N., Ferguson, T., Simon, L, & Molina, P. (2022). Effects of aerobic exercise on dysglycemia in persons living with HIV and at-risk alcohol use: preliminary analysis. *Research Society on Alcoholism Annual Meeting*.
23. Acosta, B., Acosta, K., & **Primeaux, S.** (2023). Floppy eyelid syndrome and obesity study. *Southern Regional Meetings at Tulane University*.
24. **Primeaux, S.D.**, Primeaux, J.K., Holmgren, E.B., & Wills, T.A. (2023). Effects of adolescent ethanol exposure on lingual taste receptor expression. *American Physiological Society Summit*.
25. DeMatteo, M.C., Cohen, S.E., Palocz, J. & **Primeaux, S.D.** (2023). A time-course analysis of acute ethanol administration on taste receptor expression and taste bud density. *2nd Annual Joseph Moerschbaeher III, PhD Graduate Research Day*.
26. Beganovic, M., Denstel, K.D., Martin, C.K., Hsia, D.S., Staiano, A.E., & **Primeaux, S.D.** (2024). Role of taste receptor gene variations (SNPs) on diet quality and dietary intake in male and female adolescents. *American Physiological Society Summit*.
27. Primeaux, J.K., Ha, L., Wills, T.A. & **Primeaux, S.D.** (2024). Effects of adolescent ethanol exposure on taste sensitivity and preference in male and female mice. *American Physiological Society Summit*.

Book Chapters:

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:

- | | |
|------|--|
| 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, 2023	National Science Centre, Poland, Nencki Institute of Experimental Biology of the Polish Academy of Sciences
2019-present	Internal Funding Review Panel, School of Medicine, Louisiana State University Health Sciences Center, New Orleans, LA
2021-present	Patient-Centered Outcomes Research Institute (PCORI), scientific merit reviewer for Phased Large Awards in Comparative Effectiveness Research Panel

Inventions and Patents:

1. U.S. Patent 10,507,194: "Methods for Treating Obesity", December 17, 2019; U.S. Patent 11,058,662, July 13, 2020; U.S. Patent 11,826,338, November 28, 2023. Co-Inventors, H.R. Berthoud, F.L. Greenway, & S. D. Primeaux, Divisional application filed December 12, 2019 and July 9, 2021, Provisional application filed August 10, 2015.

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).
 20. Alcohol and Nutrition. Perspectives in Alcohol Research, Department of Physiology, Louisiana State University Health Sciences Center (2021).
 21. Alcohol use and dysglycemia among people living with HIV in the ALIVE-Ex Study, Research Scholarly Learning Community Discussion, Louisiana State University Health Sciences Center at New Orleans (2021).
 22. Effects of aerobic exercise on dysglycemia in persons living with HIV and at-risk alcohol use, Alcohol and Drug Abuse Center of Excellence Bi-annual Scientific Retreat, New Orleans, LA (2022).

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).
4. Intake of high fat diet leads to over-expression of CD36, QRFP, and QRFP α in the gustatory neural circuit. *Experimental Biology Annual Meeting* (2022).

Editorial Posts and Activities:

Journal editorships or associate editorships:

2016-present International Journal of Obesity, Editorial Board

2018-2021 Biomedicine and Pharmacology, Assistant Editor

2021-present Biomedicine and Pharmacology, Associate Editor

2021-present Peptides, Editorial Board

Reviewer status:

Ad hoc Reviewer (previous 3 years):

American Journal of Men's Health

Annals of Translational Medicine

Appetite

Applied Physiology Nutrition & Metabolism

BMJ Open Diabetes Research & Care

Brain Research

British Journal of Nutrition

Diabetology

European Journal of Pharmacology

Experimental & Molecular Pathology

Frontiers in Neural Circuits

Frontiers Endocrinology

Gene

Heliyon

International Journal of Environmental Research & Public Health

International Journal of Obesity

Journal of Clinical Medicine

Journal of Multidisciplinary Healthcare

Journal of Obesity

JOVE

Life Sciences

Neurochemical Research

Neuroscience Letters

Nutrients

Nutrition & Diabetes
Obesity Research & Clinical Practice
Peptides
Physiology & Behavior
PLOS One

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 Chair, Mentoring Symposium "Evaluations & Critiques: Giving and
Receiving Teaching Evaluations" American Physiological Society,
Endocrinology and Metabolism Section, *Experimental Biology Annual
Meeting*.

2021 Chair, Mentoring Symposium "Evaluations & Critiques: Giving and
Receiving Critiques on Grant Proposals" American Physiological Society,
Endocrinology and Metabolism Section, *Experimental Biology Annual
Meeting*.

2021 Chair, Mentoring Symposium "Evaluations & Critiques: Giving and
Receiving Performance Evaluations" American Physiological Society,
Endocrinology and Metabolism Section, *Experimental Biology Annual
Meeting*.

2023 Chair, Making CeNS of Physiology, *American Physiological Society
Summit*.

2024 Chair, Featured Topic "Role of Taste in Modulating Ingestive Behaviors"
American Physiological Society Summit.

SERVICE ACTIVITIES

LSU Health Sciences Center-NO Campus-wide Committees:

2016-2019 Interprofessional Education Committee-Obesity Section

2017-2019 Interprofessional Education Facilitator

2019-present School of Medicine Representative, Faculty Senate

2021-2022 Board of Supervisors Representative, Faculty Senate

2021-2023 Member, Faculty Senate Executive Board

2022-2023 Secretary, Faculty Senate Executive Board

2022 Faculty Handbook Committee

2023-present Member, Institutional Review Board

2023-present Center for Excellence & Innovation Steering Committee

School of Medicine, LSU Health Sciences Center-NO Committees:

2011-present Committee on Women's Affairs
2011-present Committee on Scholarships and Student Awards
2018-present Clinical Skills Integration/HOUSES Program
2018-present Faculty Assembly
2018-2024 Chair of Faculty Assembly Awards Subcommittee
2019-2020 President-Elect, Faculty Assembly
2019-2022 Member, Faculty Assembly Executive Board
2019-present Internal Funding Review Panel
2020-2021 President, Faculty Assembly

Department of Internal Medicine, School of Medicine, LSU Health Science Center-NO Committees:

2010-2014 Endocrine Fellowship Program Review Committee
2013-2014 Chair of Research Mentoring Committee for Endocrinology Fellowship
2013-2014 Clinical Competency Committee for Endocrinology Fellowship
2014-2016 Research Mentoring Committee for Endocrinology Fellowship

Department of Physiology, School of Medicine, LSU Health Science Center-NO Committees:

2018-2020 Physiology Well-Being Committee
2020-present Diversity, Equity & Inclusion Committee
2021-present Graduate Student Committee
2021-present T35 Internal Advisory Council

School of Graduate Studies, LSU Health Sciences Center-NO Committees:

2015-2017 Interdisciplinary Program Curriculum Review Committee
2017-2021 Graduate Student Orientation Committee
2019-2021 Graduate School Curriculum Committee
2021-present Graduate School Advisory Committee
2021-present Graduate School Membership Committee
2022-2023 Chair, Graduate School Membership Committee
2022-present Graduate Program Work Group, School of Graduate Studies
2022-2023 Student Affairs Committee, School of Graduate Studies
2022-2023 Publication & Scholarly Activity Committee
2023-present Graduate School Curriculum Committee
2023-present Strategic Planning Working Group

School of Nursing, LSU Health Sciences Center-NO Committees:

2017-present Program Facilitator, Mentoring Undergraduate Students for Excellence in Scholarship (MUSES) Program Facilitator
2021-present Chair, Mentoring Undergraduate Students for Excellence in Scholarship (MUSES) Program Council

- 2022-present AACN The Research-Focused Doctoral Program in Nursing: Pathways to Excellence Committee
- 2023-present PhD in Nursing General Examination Committee
- 2023-present Director of PhD Program in Nursing Search Committee

Pennington Biomedical Research Center:

- 2023-present Member, Institutional Biosafety Committee

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
- 2018-2022 Career Opportunities in Physiology Committee, American Physiological Society
- 2020-present Central Nervous System Section Steering Committee, American Physiological Society
- 2020-present Central Nervous System Section Awards Committee, American Physiological Society
- 2022-present Central Nervous System Section Programming Committee, American Physiological Society
- 2022-present APS Summit Programming Committee, CNS Section Representative, American Physiological Society

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

- 2013-2017 International Union of Basic and Clinical Pharmacology: QRFP subcommittee
- 2021-present Basic Science Writing Group, Pennington Biomedical Research Center, Baton Rouge, LA

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), New Orleans, LA
- 2019 Habitat for Humanity, New Orleans, LA
- 2021 Grant reviewer, Capital Area United Way, Baton Rouge, LA
- 2023 Science Fair Judge, St. Joseph's Academy, Baton Rouge, LA