

Curriculum Vitae

DESIREE WANDERS

Department of Nutrition
Georgia State University

Office: 140 Decatur Street
Atlanta, GA 30303
Urban Life Room 876
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dwanders@gsu.edu

ACADEMIC TRAINING

Ph.D., Biomedical Sciences, Auburn University, 2012
Dr. Robert Judd

- Dissertation: Novel Pleiotropic Effects of Niacin

M.S., Nutrition, Auburn University, 2008
Dr. Sareen Gropper

- Thesis: Weight and Body Composition Changes in First Semester College Freshmen

B.S., Nutrition and Food Science, Auburn University, 2007

- Concentration: Dietetics

ACADEMIC APPOINTMENTS

Assistant Professor, Department of Nutrition, Georgia State University, Atlanta, GA
Aug 2015-Present

Assistant Professor-Research, Laboratory of Nutritional Physiology, Pennington Biomedical Research Center, Baton Rouge, LA
Mar 2015-Jul 2015

POST-DOCTORAL TRAINING

Postdoctoral Fellow, Laboratory of Nutrient Sensing and Adipocyte Signaling, Pennington Biomedical Research Center, Dr. Thomas Gettys
Aug 2012-Feb 2015
Effects of dietary methionine restriction on inter-organ lipid metabolism, insulin sensitivity, and inflammation

TEACHING EXPERIENCE

Grant Writing (CNHP 8100)
Georgia State University, Atlanta, GA
Summer 2019
Instructor Evaluation: 4.7 out of 5.0

Energy Metabolism & Obesity (NUTR 4100)
Georgia State University, Atlanta, GA
Fall 2017; Fall 2018; Fall 2019
Instructor Evaluation: 4.9; 4.8 out of 5.0

Micronutrients (NUTR 6700)
Georgia State University, Atlanta, GA
Spring 2017, Spring 2018
Instructor Evaluation: 5.0; 4.9 out of 5.0

Micronutrient Nutrition (NUTR 3700)
Georgia State University, Atlanta, GA
Spring 2017, Spring 2018
Instructor Evaluation: 4.9; 4.6 out of 5.0

Senior Seminar (NUTR 4950)
Georgia State University, Atlanta, GA
Spring 2016, Spring 2017, Spring 2018
Instructor Evaluation: 5.0; 4.7; 5.0 out of 5.0

Principles of Nutrition (NUTR 2100)
Georgia State University, Atlanta, GA
Spring 2016; Fall 2016 (online); Summer 2017 (online); Summer 2018 (online)
Instructor Evaluation: 4.0; 4.1; 4.5; 4.6 out of 5.0

Advanced Normal Nutrition (NUTR 6104)
Georgia State University, Atlanta, GA
Fall 2016 (flipped classroom); Fall 2017; Fall 2018; Fall 2019
Instructor Evaluation: 4.2; 4.8; 4.8 out of 5.0

Advanced Normal Nutrition: Macronutrients (NUTR 6104)
Georgia State University, Atlanta, GA
Fall 2015
Instructor Evaluation: 4.6 out of 5.0

RESEARCH INTERESTS: Nutritional and pharmacological interventions to prevent or treat obesity and metabolic disease, white and brown adipose tissue remodeling, adipose tissue physiology, regulation of energy balance, inflammation and metabolic disease.

FUNDING

Pending

1 R01 DK125551-01 NIH Research Project Grant (R01): “*Neural mechanisms of FGF21 on energy balance*”.
Pending Review
Role: Principal Investigator
\$1,947,986

Ongoing

USDA-AFRI-Program Area: Function and Efficacy of Nutrients: “*Berries prevent hypertension and cardiac damage by modulating the gut microbiota and attenuating oxidative stress and inflammation*”.

March 2019-February 2022

Role: Co-project director (Co-PD; Feresin PD)

\$500,000

Georgia State University Research Initiation Grant: “*Metabolic Benefits of Dietary Methionine Restriction*”.

July 2019-June 2020

Role: Principal Investigator

Completed

The Lewis School Intramural Grant Program: “*Novel Anti-inflammatory properties of Fibroblast Growth Factor 21 (FGF21)*”.

October 2017- June 2018

Role: Principal Investigator

The Center for Obesity Reversal Seed Grant: “*Novel Anti-inflammatory actions of Fibroblast Growth Factor 21 (FGF21)*”.

July 2017- June 2018

Role: Principal Investigator

The Lewis Foundation Award: “*Mechanisms Behind Dietary Methionine Restriction-induced Improvements in Obesity-induced Inflammation and Metabolic Dysfunction*”.

April 2016-June 2017

Role: Principal Investigator

The Lewis School Teacher-Scholar Academy Mini-Grant: “*Evaluation of Supermarket Training as a Component of Graduate Nutrition Education*”.

November 2016-June 2017

Role: Co-investigator

The Lewis School Intramural Grant Program: “*Anti-inflammatory Effects of Dietary Methionine Restriction*”

September 2015-June 2016

Role: Principal Investigator

5P20GM103528-09 NIH/NIGMS Centers of Biomedical Research Excellence. “*Mentoring Obesity and Diabetes Research in Louisiana*”.

March 2015-July 2015

Role: Project Principal Investigator

1 F32 DK098918-01A1 NIH Ruth L. Kirschstein National Research Service Award: F32. “*Role of UCPI in the Inter-organ Lipid Cycle Engaged by Dietary Methionine Restriction*”.

January 2014- February 2015

Role: Principal Investigator

7-13-MI-05 American Diabetes Association Mentor-Based Postdoctoral Minority Fellowship Award. *Role of UCPI in the Inter-organ Lipid Cycle Engaged by Dietary Methionine Restriction.*

October 2013- December 2013

Role: Postdoctoral Fellow

3T32DK064584 NIH Ruth L. Kirschstein National Research Service Award: Institutional Research Training Grant (T32). “*Obesity: From Genes to Man*”, Pennington Biomedical Research Center
October 2012- September 2013
Role: Postdoctoral Fellow

University Peak of Excellence graduate research fellowship in Cellular and Molecular Biosciences, Auburn University, AL.
August 2008-August 2009
Role: Graduate Research Assistant

PUBLICATIONS

Doctoral Dissertation

Wanders D. Novel pleiotropic effects of niacin.
Auburn University Dissertation, Auburn, AL 2012

Master’s Thesis

Saunders D. Weight and body composition changes in first semester college freshmen. Auburn University Thesis, Auburn, AL 2008.

Peer Reviewed Publications

1. Sharma S, Dixon T, Jung S, Graff EC, Forney LA, Gettys TW, **Wanders D** (2019). Dietary Methionine Restriction Reduces Inflammation Independent of FGF21 Action. *Obesity*. In Press.
2. Hill CM, Laeger T, Dehner M, Albarado DC, Clarke B, **Wanders D**, Burke SJ, Collier J, Qualls-Creekmore E, Solon-Biet S, Simpson SJ, Berthoud H-R, Munzberg H, Morrison CD (2019). FGF21 signals protein status to the brain and adaptively regulates food choice and metabolism. *Cell Reports*. In Press.
3. Shen C-L, Kaur G, **Wanders D**, Sharma S, Tomison MD, Ramalingam L, Chung E, Moustaid-Moussa N, Mo H, Dufour JM (2018). Annatto-extracted tocotrienols improve glucose homeostasis and bone properties in high-fat diet-induced type 2 diabetic mice by decreasing the inflammatory response. *Scientific Reports*. 8(1):11377
4. **Wanders D**, Forney LA, Stone KP, Hasek BE, Johnson WD, Gettys TW (2018). The components of age-dependent effects of dietary methionine restriction on energy balance in rats. *Obesity*. 26(4):740-746.
5. Forney LA, Stone KP, **Wanders D**, Gettys TW (2017). Sensing and signaling mechanisms linking dietary methionine restriction to the behavioral and physiological components of the response. *Frontiers in Neuroendocrinology*. 3022(17):30094-30098.
6. Forney LA, Stone KP, **Wanders D**, Ntambi JM, Gettys TW (2017). The role of suppression of hepatic SCD1 expression in the metabolic effects of dietary methionine restriction. *Applied Physiology, Nutrition, and Metabolism*. 43(2):123-130.
7. Zimmerman AD, Breckenridge CB, Yi KD, Coder PS, **Wanders D**, Judd RL, Foradori CD (2017). Changes in hepatic phase I and phase II biotransformation enzyme expression and substrate availability following atrazine exposure in female rats. *Xenobiotica*. 48(9):867-881.

8. Ghosh S, Forney LA, **Wanders D**, Stone KP, Gettys TW (2017). An integrative analysis of tissue-specific transcriptomic and metabolomic responses to short-term dietary methionine restriction in mice. *PLoS One*. 12(5):e0177513.
9. Forney LA, **Wanders D**, Stone KP, Pierse A, Gettys TW (2017). Concentration-dependent linkage of dietary methionine restriction to the components of its metabolic phenotype. *Obesity*. 25(4):730-738.
10. **Wanders D**, Forney LA, Stone KP, Burk DH, Pierse A, Gettys TW (2017). FGF21 mediates the thermogenic and insulin-sensitizing effects of dietary methionine restriction but not its effects on hepatic lipid metabolism. *Diabetes*. 66(4):858-867.
11. **Wanders D**, Stone KP, Forney LA, Cortez CC, Dille KN, Simon J, Xu M, Hotard EC, Nikonorova IA, Petit AP, Anthony TG, Gettys TW (2016). Role of GCN2-independent signaling through a non-canonical PERK/NRF2 pathway in the physiological responses to dietary methionine restriction. *Diabetes*. 65(6):1499-1510.
12. Graff EC, Fang H, **Wanders D**, Judd RL (2016). Anti-inflammatory effects of the hydroxycarboxylic acid receptor 2. *Metabolism*. 65(2):102-113.
13. Wang L, Miller D, **Wanders D**, Nanayakkara G, Amin R, Judd RL, Morrison E, Zhong J (2016). Adiponectin reduction is associated with myocyte dysfunction in volume overload-induced heart failure. *Acta Pharmacologica Sinica*. 37(2):187-195.
14. **Wanders D**, Stone KP, Dille K, Simon J, Pierse A, Gettys TW (2015). Metabolic responses to dietary leucine restriction involve remodeling of adipose tissue and enhanced hepatic insulin signaling. *Biofactors*. 41(6):391-402.
15. Stone KP, **Wanders D**, Calderon LF, Spurgin SB, Scherer PE, Gettys TW (2015). Compromised responses to dietary methionine restriction in adipose tissue but not liver of *ob/ob* mice. *Obesity*. 23(9):1836-1844.
16. **Wanders D**, Burk DH, Cortez CC, Van NT, Stone KP, Baker M, Mendoza T, Mynatt RL, Gettys TW (2015). UCP1 is an essential mediator of the effects of methionine restriction on energy balance but not insulin sensitivity. *The FASEB Journal*. 29(6):2603-2615.
17. Godwin LA, Brooks JC, Hoepfner LD, **Wanders D**, Judd RL, Easley CJ (2015). A microfluidic interface design for the culture and sampling of adiponectin from primary adipocytes. *Analyst*. 140(4):1019-1025.
18. Stone KP, **Wanders D**, Orgeron M, Cortez CC, Gettys TW (2014). Mechanisms of increased in vivo insulin sensitivity by dietary methionine restriction in mice. *Diabetes*. 63(11):3721-3733.
19. **Wanders D**, Ghosh S, Stone KP, Van NT, Gettys TW (2014). Transcriptional impact of dietary methionine restriction on systemic inflammation: relevance to biomarkers of metabolic disease during aging. *BioFactors*. 40(1):13-26.
20. Ghosh S, **Wanders D**, Stone KP, Van NT, Cortez CC, Gettys TW (2014). A systems biology analysis of the unique and overlapping transcriptional responses to caloric restriction and dietary methionine restriction in rats. *FASEB Journal*. 28(6):2577-2590.
21. Nanjappa MK, Ahuja M, Dhanasekaran M, Coleman ES, Braden TD, Bartol FF, Bird RC, Wanders D, Judd RL, Akingbemi BT (2013). Bisphenol A regulation of testicular endocrine function in male rats is affected by diet. *Toxicology Letters*. 225(3):479-487.

22. **Wanders D**, Graff EC, White, BD, Judd RL (2013). Niacin increases adiponectin and decreases adipose tissue inflammation in high fat diet-fed mice. *PLOS ONE*. 8(8):e71285.
23. Hasek B, Boudreau A, Shin J, Feng D, Hulver M, Van NT, Laque A, Stewart L, Stone KP, **Wanders D**, Ghosh S, Pessin J, Gettys TW (2013). Remodeling the integration of lipid metabolism between liver and adipose tissue by dietary methionine restriction in rats. *Diabetes*. 62(10):3362-3372.
24. **Wanders D**, Graff EC, Judd RL (2012). Effects of high fat diet on GPR109A and GPR81 expression in the adipose tissue. *Biochemical and Biophysical Research Communications*. 425(2):278-283.
25. Pfhaeler A, Nanjappa MK, Coleman ES, Mansour M, **Wanders D**, Plaisance EP, Judd RL, Akingbemi BT (2012). Regulation of adiponectin secretion by soy isoflavones has implication for endocrine function of the testis. *Toxicology Letters*. 209(1):78-85.
26. **Wanders D**, Judd RL (2011). Future of GPR109A agonists in the treatment of dyslipidaemia. *Diabetes, Obesity and Metabolism*. 13(8):685-691.
27. Godwin LA, Pilkerton ME, Deal KS, **Wanders D**, Judd RL, Easley CJ (2011). A passively operated microfluidic device for stimulation and secretion sampling of single pancreatic islets. *Analytical Chemistry*. 83(18):7166-72.
28. Gropper SS, Clary K, Gaines A, **Wanders D**, Simmons K (2011). Summer doesn't reverse freshman year body weight and fat gains in female college students. *The Open Nutrition Journal*. 5:24-31.
29. **Wanders D**, Plaisance EP, Judd RL (2010). Pharmacological effects of lipid-lowering drugs on circulating adipokines. *World Journal of Diabetes*. 1(4):116-28.
30. Gropper SS, Simmons KP, Gaines A, Drawdy K, **Saunders D**, Ulrich P, Connell LJ (2009). The freshman 15 - a closer look. *Journal of American College Health*. 58(3):223-31.

Book Chapters

1. Orgeron ML, Stone KP, **Wanders D**, Cortez CC, Van NT, Gettys TW (2014). The impact of dietary methionine restriction on biomarkers of metabolic health. *Progress in Molecular Biology and Translational Science*. 121:351-376.
2. **Wanders D**, Plaisance EP, Judd RL (2012). Lipid-lowering drugs and circulating adiponectin. *Adiponectin. Vitamins and Hormones*, Volume 90: Toluca Lake, CA.

Abstracts

1. Beebe M, Najjar RS, Chan D, Madhani CR, Elfakhani M, Yount S, Ji X, Feresin RG, **Wanders D**, Mo H. Synergistic impact of xanthorrhizol and *d*- δ -tocotrienol on the proliferation of murine B16 melanoma cells and human DU145 prostate carcinoma cells. American Society for Nutrition Annual Meeting. Baltimore, MD, June 2019.
2. **Wanders D**, Knapp D, Najjar R, Jung S, Pearson K, Chassaing B, Feresin RG. Blackberries and raspberries attenuate inflammation. 12th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, February 2019.

3. Sharma S, Jung S, Graff EC, Gettys TW, **Wanders D**. Low-dose FGF21 administration decreases obesity-induced hepatic steatosis but has no effect on inflammation in mice. American Diabetes Association 78th Annual Scientific Sessions. Orlando, FL, June 2018.
4. Hobson K, **Wanders D**, Ji X. Methionine restriction inhibits non-small cell lung cancer growth by targeting beta-catenin pathway. American Society for Nutrition Annual Meeting. Boston, MA, June 2018.
5. Sharma S, Jung S, Graff EC, Gettys TW, **Wanders D**. Low-dose FGF21 administration decreases obesity-induced hepatic steatosis but has no effect on inflammation in mice. 11th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, February 2018.
6. Sharma S, Mo H, Shen C-L, **Wanders D**. *d*-delta-Tocotrienol inhibits high-fat diet-induced hepatic inflammation by downregulating STAT3 signaling. American Diabetes Association 77th Annual Scientific Sessions. San Diego, CA, June 2017.
7. Dixon TM, Sharma S, Forney LA, Gettys TW, **Wanders D**. Fibroblast Growth Factor-21 (FGF-21): A mediator of inflammatory responses to diets? American Diabetes Association 77th Annual Scientific Sessions. San Diego, CA, June 2017.
8. Sharma S, Mo H, Shen C-L, **Wanders D**. *d*-delta-Tocotrienol inhibits high-fat diet-induced hepatic inflammation by downregulating STAT3 signaling. Lewis School Graduate Research Conference. Atlanta, GA, April 2016.
9. Dixon TM, Sharma S, Forney LA, Gettys TW, **Wanders D**. Fibroblast Growth Factor 21 (FGF21) may mediate peripheral inflammatory responses to different diets. 10th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2017.
10. Sharma S, Dixon T, Dille K, Simon J, Bobart L, Gettys TW, **Wanders D**. Dietary methionine restriction inhibits STAT3 signaling and decreases inflammation in liver and adipose tissue of rodents. 9th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, February 2016.
11. **Wanders D**, Burk DH, Gettys TW. Dietary restriction of essential amino acids induces browning of white adipose tissue. Keystone Symposia on Beige and Brown Fat: Basic Biology and Novel Therapeutics. Snowbird, Utah, April 2015.
12. **Wanders D**, Stone KP, Cortez CC, Burk DH, Orgeron M, Dille K, Gettys TW. Effects of dietary leucine restriction on energy balance and insulin sensitivity. 8th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, February 2015.
13. Graff EC, Fang H, **Wanders D**, Judd RL. Niacin attenuates high-fat diet-induced adipose tissue inflammation in an adiponectin-independent manner. 8th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, February 2015.
14. Ghosh S, **Wanders D**, Stone KP, Van N, Cortez C, Gettys TW. Unique and overlapping transcriptomic landscapes define tissue-specific responses to long-term dietary calorie and methionine restriction in rats. American Diabetes Association 74th Scientific Sessions. San Francisco, CA, June 2014.
15. Worsham EA, Wicks SE, Vandanmagsar B, Drewes DM, Woodlief TL, Cortright RN, Koves TR, Thyfault JP, **Wanders D**, Gettys TW, Mynatt RL, Noland RC. Defining the role of skeletal muscle peroxisomes in glucose homeostasis. Metabolic Origins of Disease Symposium. Orlando, FL, March 2014.

16. **Wanders D**, Cortez CC, Van NT, Stone KP, Baker M, Burk DH, Mendoza T, Mynatt RL, Gettys TW. Effects of dietary methionine restriction on energy balance: Roles of UCP1 and FGF21. 7th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, February 2014.
17. **Wanders D**, Van NT, Gettys TW. Dietary methionine restriction attenuates the development of age-associated inflammation. 6th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2013.
18. **Wanders D**, Graff EC, White BD, Judd RL. Niacin increases adiponectin and decreases markers of adipose tissue inflammation in obese mice. 6th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2013.
19. Gorman T, Schwartz D, Judd RL, **Wanders D**. Oxidative stress in hearts of mice fed a high fat diet. 6th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2013.
20. **Wanders D**, Graff EC, Plaisance EP, Judd RL. Niacin increases adiponectin in obese mice in a receptor-dependent manner. American Diabetes Association 72nd Scientific Sessions. Philadelphia, PA, June 2012.
21. **Wanders D**, Graff EC, Plaisance EP, Judd RL. Niacin Decreases Retinol-Binding Protein 4 in Mice in a Receptor-Independent Manner. American Diabetes Association 72nd Scientific Sessions. Philadelphia, PA, June 2012.
22. **Wanders D**, Graff EC, Plaisance EP, Judd RL. Niacin increases adiponectin in obese mice in a receptor-dependent manner. 5th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2012.
23. Godwin LA, **Wanders D**, Kim J, Judd RL, Easley CJ. Passive microfluidic methods for secretion sampling and quantitation of adiponectin from murine adipocytes. 5th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2012.
24. **Wanders D**, Plaisance, EP, Graff EC, Zhang Y, Cao G, Judd RL. Mechanism of action of niacin on adiponectin production and secretion. 4th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2011.
25. Graff EC, **Wanders D**, Judd RL. Isolation and culture of feline adipocytes. The Annual American College of Veterinary Pathologists 62nd Annual Meeting. Nashville, TN, December 2011.
26. Kim J, Godwin L, Deal K, Keenum Z, **Wanders D**, Judd R, Easley C. Combining microfluidic secretion sampling with small-volume proximity immunoassays: Application to murine islets and adipocytes. Microscopy and Microanalysis. Nashville, TN, August 2011.
27. Graff EC, **Wanders D**, Judd RL. Identification of adipose tissue macrophages and crown-like structures in lean and obese cats. 4th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2011.
28. Thomas T, Pfahler A, Nanjappa M, **Wanders D**, Plaisance EP, Judd RL, Akingbemi BT. Exploring the relationships between endocrine disruptors, metabolic syndrome and male reproduction. 4th Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2011.
29. Thomas T, **Saunders D**, Plaisance EP, Judd RL, Akingbemi BT. Adult male rats exposed to dietary soy isoflavones in the perinatal period exhibit elevated serum adiponectin concentrations with implication for

steroid hormone secretion by Leydig cells. 92nd Annual Endocrine Society Meeting & Expo. San Diego, CA, June 2010; P2-77.

30. Graff EC, **Saunders D**, Amin RH, Judd RL. Identification of adiponectin multimers in serum of healthy cats. 3rd Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2010.
31. Nanjappa MK, **Saunders D**, Judd RL, Akingbemi BT. Developmental exposures of male rats to environmentally relevant bisphenol A levels impact serum 17 β -estradiol concentrations and affect adiponectin secretion. 3rd Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2010.
32. Plaisance EP, Hanson LD, **Saunders D**, Graham T, Lukasova M, Offermanns S, Judd RL. Niacin decreases serum retinol binding protein 4 (RBP4) concentrations in humans with metabolic syndrome. American Diabetes Association 69th Scientific Sessions. New Orleans, LA. Late Breaking Abstract 70-LB, June 2009.
33. Wang SX, **Saunders D**, Williams JN, Tao YX. Functional characterization of fifteen novel melanocortin-4 receptor mutations identified from obese patients. 91st Annual Endocrine Society Meeting. Washington D.C., June 2009.
34. Plaisance EP, **Saunders D**, Judd RL, Akingbemi BT. Soy-based diets mimic the effects of estrogen on adipose tissue estrogen receptor- α density and testicular leydig cell function. 2nd Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2009.
35. Gropper SS, **Saunders D**, Gaines A, Simmons K, Connell LJ. Weight and body composition changes in first semester college freshmen. 1st Annual Boshell Diabetes and Metabolic Diseases Research Day. Auburn, AL, March 2008.

HONORS AND AWARDS

Faculty Fellowship
College to Career Program
2018-2019

Keystone Symposia Future of Science Fund Scholarship (Travel Grant)
Keystone Symposia – Beige and Brown Fat: Basic Biology and Novel Therapeutics
April 2015

Outstanding Postdoctoral Poster Presentation
The Boshell Diabetes and Metabolic Diseases 6th Annual Research Day
March 2013

Outstanding Doctoral Student
Auburn University
2011-2012

Outstanding Graduate Student Oral Presentation
Graduate Symposium: Auburn University Research Week
April 2012

Outstanding Graduate Student Oral Presentation
The Boshell Diabetes and Metabolic Diseases 5th Annual Research Day
March 2012

PROFESSIONAL SERVICE

Ad-Hoc Manuscript Reviewer

1. Obesity
2. Annals of the New York Academy of Sciences
3. Journal of Endocrinology
4. The Journal of Nutrition
5. Aging Cell
6. Comparative Biochemistry and Physiology
7. Canadian Journal of Physiology and Pharmacology
8. International Journal of Molecular Sciences
9. Food & Nutrition Research
10. Nutrients
11. Molecular Nutrition and Food Research
12. International Journal of Obesity
13. Molecular Metabolism
14. Molecules
15. Inflammation Research
16. Genes

Ad-Hoc Book Proposal Reviewer

1. The Royal Society of Chemistry

Ad-Hoc Grant Reviewer

1. National Mouse Metabolic Phenotyping Centers (MMPC) MICROMouse Program May 2017; Oct 2017
2. Atlanta VAMC Rehabilitation R&D Center for Visual and Neurocognitive Rehabilitation; Internal Reviewer Jun 2017; Aug 2017.
3. Laura Bush Institute for Women's Health at the Texas Tech University Health Sciences Center; Centralized Seed Grant Program; Dec 2015

Ad-Hoc Abstract Reviewer

1. The Obesity Society Annual Meeting (Obesity Week)-Basic Science Section Abstract Reviewer; September 2016

Ad-Hoc Poster Judge

1. The American Society for Nutrition Annual Conference. Emerging Leaders in Nutrition Science Poster Competition Judge; Dietary Bioactive Components Section. June 2018-Boston, MA.
2. Boshell Diabetes and Metabolic Diseases 11th Annual Research Day-Graduate Student Poster Presentations; February 2018-Auburn, AL

Oral Session Co-chair

1. The American Society for Nutrition Annual Conference. *Anti-inflammation Effect of Dietary Bioactive Components*. June 2018-Boston, MA.

ACADEMIC SERVICE

Senator, Georgia State University

- Member, Senate Research Committee
- Member, Senate Student Discipline Committee

Spring 2019-Present

Director, Undergraduate Program
Department of Nutrition
Fall 2016-Present

Member, Search Committee for the Dean of the Lewis College of Nursing and Health Professions
Fall 2019-Present

Member, Faculty Board for the Georgia State Undergraduate Research Conference (GSURC)
Georgia State University
Fall 2018-Present

Faculty Advisor to the Nutrition Student Network
Fall 2017-Present

Member, Student Services Committee
Lewis College of Nursing and Health Professions
Fall 2017-Present

Member, Curriculum Committee
Department of Nutrition
Fall 2016-Present

Member, Research Committee
Lewis College of Nursing and Health Professions
Fall 2016-Present

Member, Committee for the Doctoral Program in Chemistry with concentration in Nutritional Sciences
Department of Nutrition
Fall 2015- Present

Chair, Innovation Fund Committee
Department of Nutrition
Spring 2016

Chair, Lewis School Seminar Series Committee
Department of Nutrition
Spring 2016

Judge, Undergraduate Oral Presentations, Auburn University Research Week
April 2012

Graduate Student Council Senator for Biomedical Sciences, Auburn University, AL September 2011-August 2012

Vice President, College of Veterinary Medicine Graduate Student Association, Auburn University, AL August 2011-August 2012

Graduate Student Ambassador for the College of Veterinary Medicine, Auburn University, AL October 2009-August 2010

PROFESSIONAL ORGANIZATION MEMBERSHIPS

The American Society for Nutrition
2018-Present

The Center for Neuroinflammation and Cardiometabolic Diseases
2018-Present

The American Diabetes Association
2016-Present

Center for Obesity Reversal, Georgia State University
2016-2018

The Obesity Society
2015-Present

INVITED PRESENTATIONS

University of Georgia-Department of Nutrition, Athens, GA.
"Metabolic Benefits of Dietary Methionine Restriction"
February 21st, 2018

13th Annual Joint Meeting of the Upstate and Western New York Councils on Renal Nutrition, Batavia, NY.
"Obesity and the Kidney: A Focus on Lipids"
October 19th, 2017

6th Annual Georgia Council on Renal Nutrition Spring Conference, Atlanta, GA.
"Obesity and the Kidney: A Focus on Lipids"
May 4th, 2017

Third International Conference of Long-Term Care Directors, Atlanta, GA.
"Nutrition for the Older Population"
March 2016

MEDIA APPEARANCES

The Conversation
"Fat-burning fat exists, but may not be the key to weight loss."
December 2015

Atlanta Journal-Constitution
"Whole milk for a healthy heart? Don't raise that glass just yet."
Quoted in print article regarding saturated fat intake, dairy, and health.
October 2015

Baton Rouge Community Radio 96.9 FM WHYR
Radio interview regarding ways to improve nutrition and dietary choices
May 2015