

2019 Oct Onsite Poster Award, Research Day, University of Mississippi Medical Center
 2019 Sept Onsite Poster Award, American Heart Association, Council on Hypertension Meeting
 2015 Fall Academy of Nutrition and Dietetics Foundation: Mississippi Ethel Summerour Scholarship
 2014-2015 Gamma Sigma Theta Honor Society
 2012 Spring President's List, Mississippi State University
 2009-2011 Dean's List, Mississippi State University
 2009-2011 Montgomery Leadership Honors Program, Mississippi State University
 2008 Fall President's List, Mississippi State University

II. Professional Societies:

2019- Present American Heart Association
 2017- Present Community Health Advocate
 2016- Present American Physiological Society
 2016- Present Group on Women in Medicine and Science
 2015- Present University of Mississippi Medical Center Graduate Student Body
 2015- Present University of Mississippi Medical Center Associated Student Body
 2014- Present Academy of Nutrition and Dietetics

III. University Teaching:

Culinary Medicine, M1 Elective, Spring 2020
 PHYSIO 611 Medical Physiology Laboratory, Spring 2019
 FNH 3723 Community Nutrition, Spring 2014/2015
 FNH 1001 First Year Experience Cooking Basics: Iron Chef Bully, Fall 2013/2014
 FNH/HS 2203 Science of Food Preparation, Fall 2013/2014

IV. Service and Leadership:

2020 Nov Invited Speaker, Graduate School Recruitment, University of Mississippi Medical Center
 2019-2020 Vice President, Graduate Student Body, University of Mississippi Medical Center
 2020 April UMMC COVID-19 Reserves, University of Mississippi Medical Center
 2019 Nov Physiology Understanding (PhUn) Week, Group Leader, Mississippi Children's Museum
 2019 Oct Operation Shoestring, Volunteer Nutrition Educator, University of Mississippi Medical Center
 2019 Oct Spooky U, Volunteer, University of Mississippi Medical Center
 2019 Sept High School Visit Day, Volunteer, University of Mississippi Medical Center
 2019 April Discovery U, Volunteer, Mississippi Children's Museum
 2019 April Wellness Week, Volunteer Nutrition Educator, University of Mississippi Medical Center
 2019 April Sugar Intake Education, Volunteer Nutrition Educator, University of Mississippi Medical Center
 2019 Jan High School Visit Day, Volunteer, University of Mississippi Medical Center
 2018 Nov High School Visit Day, Volunteer, University of Mississippi Medical Center
 2018 April Discovery U, Volunteer, Mississippi Children's Museum
 2018 Jan High School Visit Day, Volunteer, University of Mississippi Medical Center
 2017 Nov Physiology Understanding (PhUn) Week, Volunteer, Mississippi Children's Museum
 2017 Sep Healthy Teens Rally, Volunteer, Mississippi Coliseum
 2017 April Public Health Week, Volunteer Nutrition Educator, Wingfield High School
 2017 March Graduate Student Research Symposium, Volunteer Judge, University of Southern Mississippi
 2016 March Moonlight Food Market, Volunteer, Mississippi Food Network
 2015 July Camp Seal Harris Diabetes Camp, Volunteer, Birmingham, AL
 2014 July Fun with Food Camp, Group Leader, Mississippi State University
 2009-2011 Montgomery Leadership Honors Program, Group Leader, Mississippi State University

V. Mentorship:

- 2020-Present Mentor, *Gabrielle Chamoun*, Medical Student Research Program, University of Mississippi Medical Center
- 2019-2020 Mentor, *Allison Ariatti*, Medical Student Research Program, University of Mississippi Medical Center

VI. Active Funding:

1. NIH NHLB T32HL 105324 (Granger: PI). "Hypertension and Cardiorenal Diseases Research Training Program." Role Trainee

VII. Invited Presentations:

1. Pathogenesis of Intrauterine Growth Restriction and the Developmental Programming of Cardiovascular Disease. **Coats, LE** Washington University, St. Louis, MO. (November, 2020).
2. Soluble Guanylate Cyclase as a Maternal Therapeutic in a Rodent Model of Intrauterine Growth Restriction: What about the Offspring? **Coats, LE**, Davis, GK, Bamrick-Fernandez, DR, Bakrania, BA, Ojeda, NB and Alexander, BT. Physiology Seminar Series. University of Mississippi Medical Center, Jackson, MS. (November, 2019).
3. Placenta Ischemia Influences Developmental Programming in Growth Restricted Offspring. **Coats, LE**, Davis, GK, Bamrick-Fernandez, DR, Bakrania, BA, and Alexander, BT. Experimental Biology, Orlando, FL. (April, 2019).
4. Activation of G Protein-Coupled Estrogen Receptor, with a GPER Agonist, Reduces Blood Pressure in Female Growth-Restricted Rats in Later Life. Davis, GK, Bamrick-Fernandez, DR, Newsome, A, **Coats, LE**, and Alexander, BT. Experimental Biology, Orlando, FL. (April, 2019)

VII. Peer Reviewed Publications:

1. **Coats, LE**, Bakrania, BA, Bamrick-Fernandez, DR, Ariatti, AM, Rawls, AZ, Ojeda, NB, and Alexander, BT. Soluble Guanylate Cyclase does not Mitigate Asymmetrical Intrauterine Growth Restriction and Cardiovascular Risk in Offspring. *Hypertension*. Submitted, November 2020.
2. **Coats, LE**, Bamrick-Fernandez, DR, Ariatti, AM, Bakrania, BA, Rawls, AZ, Ojeda, NB, and Alexander, BT. Stimulation of Soluble Guanylate Cyclase Diminishes Intrauterine Growth Restriction in a Rat Model of Placental Ischemia. *American Journal of Physiology: Regulatory, Integrative and Comparative Physiology*. November 2020, *in press*.
3. **Coats, LE**, Aboul-Enein, BH, Dodge, E, Benajiba, N, Kruk, J, Khaled, BM, Diaf, M, and Herrag, SE. Perspective of Environmental Health Promotion and the Mediterranean Diet: A Thematic Narrative. *Journal of Hunger and Environmental Nutrition*, 2020: 1-23. Doi: 10.1080/19320248.2020.1777242
4. Davis, GK, Intapad, S, Newsome, A, **Coats, LE**, Bamrick-Fernandez, DR, Ojeda, NB, and Alexander, BT. The Role of Androgen Receptor Blockade on Increased Blood Pressure in Female Intrauterine Growth Restricted Offspring. *Hypertension*. 2019; 74(4):975-982.
5. **Coats, LE**, Davis, GK, Newsome, A, Ojeda, NB, and Alexander, BT. Low Birthweight. Blood Pressure, and Renal Susceptibility. *Hypertension Reports*, 2019; 21(8):62.
6. **Coats, LE**, Bernstein, J, Dodge, E, Bechard, L, and Aboul-Enein, BH. Food-Based Dietary Guidelines of Arabic Speaking Countries: a Culturally Congruent Profile. *Public Health Nutrition*, 2018; 22(6).
7. Moseley, M, **Coats, LE**, and Poe, P. "I Know Nothing": Perceived Barriers to Fruit and Vegetable Consumption among Mississippi College Freshmen Living on Campus. *International Journal of Humanities and Social Science*, 2017; 12(7).

Abstracts:

1. Tumor Necrosis Factor Alpha Improves Placental Perfusion and Attenuates Intrauterine Growth Restriction in a Rodent Model of Preeclampsia. **Coats, LE**, Rawls, AZ, Cockrell, KL, Chamoun, GM, and Alexander, BT. Council on Hypertension, Virtual (September 2020).

2. Soluble Guanylate Cyclase in a Rodent Model of Preeclampsia: Is Benefit in the Mother Associated with Benefit in the Offspring?. **Coats, LE**, Ariatti, AM, Bakrania, BA, Bamrick-Fernandez, DR, Ojeda, NB, and Alexander, BT. Experimental Biology, San Diego, CA. (April, 2020).
3. Endothelin Type A Receptor Blockade is Beneficial Against Age-Related Increased Cardiovascular Risk in Female Intrauterine Growth Restricted Offspring. Ariatti, AM, **Coats, LE**, Ojeda, NB, Intapad, S, and Alexander, BT. Experimental Biology, San Diego, CA. (April, 2020).
4. Gestational Interventions and Fetal Outcomes in a Rat Model of Intrauterine Growth Restriction. **Coats, LE**, Davis, GK, Bamrick-Fernandez, DR, Bakrania, BA, Ojeda, NB, and Alexander, BT. Research Day, University of Mississippi Medical Center, Jackson, MS. (October, 2019).
5. Gestational Interventions and Fetal Outcomes in a Rat Model of Intrauterine Growth Restriction. **Coats, LE**, Davis, GK, Bamrick-Fernandez, DR, Bakrania, BA, Ojeda, NB, and Alexander, BT. Hypertension. New Orleans, LA. (September, 2019).
6. Placenta Ischemia Influences Developmental Programming in Growth Restricted Offspring. **Coats, LE**, Davis, GK, Bamrick-Fernandez, DR, Bakrania, BA, Ojeda, NB, and Alexander, BT. Experimental Biology, Orlando, FL. (April, 2019)
7. Activation of G Protein-Coupled Estrogen Receptor, with a GPER Agonist, Reduces Blood Pressure in Female Growth-Restricted Rats in Later Life. Davis, GK, Bamrick-Fernandez, DR, Newsome, A, **Coats, LE**, and Alexander, BT. Experimental Biology, Orlando, FL. (April, 2019)
8. Placenta Ischemia Influences Developmental Programming in Growth Restricted Offspring. **Coats, LE**, Davis, GK, Bamrick-Fernandez, DR, Bakrania, BA, Ojeda, NB, and Alexander, BT. Research Day, University of Mississippi Medical Center, Jackson, MS (October, 2018)
9. Fruit and Vegetable Consumption in College Freshmen at Mississippi State University. **Coats, LE**, Fountain, B, Buys, D, Rader, N, Poe, P, and Byrd, SH. Food Science and Nutrition Conference Exposition, Nashville, TN. (October, 2015).