CURRICULUM VITAE

University of Idaho

NAME: Amy L. Skibiel **DATE:** October 19, 2018

RANK OR TITLE: Assistant Professor

DEPARTMENT: Animal and Veterinary Science

OFFICE LOCATION AND CAMPUS ZIP:
Agriculture Biotechnology Building, Room 303, MS 2330, 83844-2330
OFFICE PHONE: 208-885-1161
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DATE OF FIRST EMPLOYMENT AT UI: October 1, 2018

DATE OF TENURE: Untenured

DATE OF PRESENT RANK OR TITLE:

EDUCATION BEYOND HIGH SCHOOL: October 1, 2018

Degrees:
Ph.D., Auburn University, Auburn, AL, August 2012, Biological Sciences
M.S., Auburn University, Auburn, AL, May 2007, Biological Sciences
B.S., Juniata College, Huntingdon, PA, May 2003, Biology

EXPERIENCE:

Teaching, Extension and Research Appointments:
Postdoctoral Associate, University of Florida, Gainesville, FL, August 2015 - August 2018
Lecturer, Auburn University, Auburn, AL, August 2013 – August 2015
Postdoctoral Fellow, Harvard University, Cambridge, MA, August 2012 – August 2013
Graduate Teaching Assistant, Auburn University, Auburn, AL, August 2004 – May 2012

TEACHING ACCOMPLISHMENTS:

Areas of Specialization: Anatomy and Physiology

Courses Taught:

University of Florida:
Physiology of the Mammary Gland and Lactation, ANS 6702, 2017-2018

Auburn University:
Human Anatomy and Physiology I, BIOL 2500, 2013 – 2014
Human Anatomy and Physiology II, BIOL 2510, 2014 – 2015
Mammalian Physiology Lab, BIOL 5600/6600, 2004 – 2012
Animal Physiology Lab, BIOL 5240, 2005 – 2012
Comparative Anatomy Lab, BIOL 3010, 2006

Harvard University:
Human Evolutionary Anatomy and Physiology Lab, LS2, 2012

Students Advised:

Undergraduate Students:
University of Florida:
Advisees: NA
Research: 20 (2015 - 2018)

Auburn University:
Advisees: 3 – 2013, 14 – 2014, 14 – 2015
Research: 9 (2007 - 2012)

Harvard University:
Advisees: NA
Research: 3 (2012 - 2013)

Graduate Students:
NA

Courses Developed:
Physiology of the Mammary Gland and Lactation (co-developed), University of Florida, ANS 6702, 2017
Human Anatomy and Physiology I, Auburn University, BIOL 2500, 2013
Human Anatomy and Physiology II, Auburn University, BIOL 2510, 2014

Non-credit Classes, Workshops, Seminars, Invited Lectures, etc.:
Invited Seminars:
4. **Skibiel, A. L.**, M. Zachut, Y. Levin, B. C. do Amaral, and G. E. Dahl. Using proteomics tools to assess effects of dry period heat stress on liver function post-calving. Animal Genetics and Genomics Seminar Series. University of Florida, Gainesville, FL, March 27, 2018.
3. **Skibiel, A. L.**, R. Amorín, F. Peñagaricano, B. M. Ahmed, G. E. Dahl, J. Laporta. Epigenetic effects of in utero exposure to heat stress on the liver and mammary gland of cattle. Animal Molecular and Cellular Biology Seminar Series. University of Florida, Gainesville, FL, March 16, 2018.
2. **Skibiel, A. L.** Clickers on steroids-Learning catalytics for student engagement. Auburn University, Auburn, AL, March 25, 2014.
1. **Skibiel, A. L.** Maternal effects and lactation effort in the Columbian ground squirrel. Pepperdine University, Malibu, CA, February 5, 2013.

Guest Lectures:
2. Behavioral studies of captive and wild species for Applied Ethology course, University of Florida, 2015
1. Milk synthesis in the context of life history strategies for Building Babies course, Harvard University, 2013

Honors and Awards:
2008 Auburn University, Department of Biological Sciences Graduate Teaching Assistant Award

SCHOLARSHIP ACCOMPLISHMENTS:

Publications, Exhibitions, Performances, Recitals:

Peer Reviewed/Evaluated:
18. **Skibiel, A. L.**, B. D. Senn, T. F. Fabris, G. E. Dahl, and J. Laporta. In press. In utero exposure to thermal stress has long-term effects on mammary gland microstructure and function in dairy cattle. PLoS One.
17. **Skibiel, A. L.**, F. Peñagaricano, R. Amorín, B. M. Ahmed, G. E. Dahl, J. Laporta. 2018. In utero heat stress alters the offspring epigenome. Scientific Reports 8, Article number: 14609
16. Senn, B. D., **A. L. Skibiel**, T. F. Fabris, Y. Zhang, G. E. Dahl, F. Peñagaricano, J. Laporta. 2018. RNA-seq reveals novel genes and pathways involved in bovine mammary involution during the dry period and under environmental heat stress. Scientific Reports 8, Article number: 11096.
15. **Skibiel, A. L.**, M. Zachut, B. C. do Amaral, Y. Levin, G. E. Dahl. 2018. Liver proteomic analysis of postpartum Holstein cows exposed to heat stress or cooling conditions during the dry period. Journal of Dairy Science 101: 705-716.

14. **Skibiel, A. L.**, T. F. Fabris, F. N. Corrá, Y. M. Torres, D. J. McLean, J. D. Chapman, D. J. Kirk, G. E. Dahl, J. Laporta. 2017. Effects of feeding an immunomodulatory supplement to heat-stressed or actively cooled cows during late gestation on postnatal immunity, health and growth of calves. Journal of Dairy Science 100: 7659-7668.
13. Laporta, J., T. F. Fabris, **A. L. Skibiel**, J. L. Powell, J. Hayen, K. Horvath, E. K. Miller-Cushon, G. E. Dahl. 2017. In-utero exposure to heat stress during late-gestation has prolonged effects on the activity patterns and growth of dairy calves. Journal of Dairy Science 100: 2976-2984.
12. **Skibiel, A. L.** and W. R. Hood. 2015. Milk matters: offspring survival in Columbian ground squirrels is affected by nutrient composition of mother's milk. Frontiers in Ecology and Evolution 3:1-10. doi: 10.3389/fevo.2015.00111
11. Hinde, K., **A. L. Skibiel,** A. Foster, L. Del Rosso, S. Mendoza, J. Capitanio. 2015. Cortisol in mother's milk reflects maternal life history and predicts infant temperament. Behavioral Ecology 26: 269-281.
10. **Skibiel, A. L.**, J. R. Speakman, W. R. Hood. 2013. Testing the prediction of energy allocation decisions in the evolution of life history tradeoffs. Functional Ecology 27: 1382-1391.
9. **Skibiel, A. L**., L. M. Downing, T. J. Orr, W. R. Hood. 2013. The evolution of the nutrient composition of mammalian milks. Journal of Animal Ecology 82: 1254-1264.
8. **Skibiel, A. L.** and W. R. Hood. 2013. Milk composition in a hibernating rodent, the Columbian ground squirrel, Urocitellus columbianus. Journal of Mammalogy 94: 146-154.
7. T. J. Karels, F. S. Dobson, H. S. Trevino, **A. L. Skibiel**. 2009. Testing causal structure in the biogeography of avian extinctions on oceanic islands. Journal of Biogeography 36: 1614-1617.
6. **Skibiel, A. L.**, F. S. Dobson, J. O. Murie. 2009. Maternal influences on reproduction in two populations of Columbian ground squirrels. Ecological Monographs 79(2): 325-341.
5. T. J. Karels, F. S. Dobson, H. S. Trevino, **A. L. Skibiel**. 2008. The biogeography of avian extinctions on oceanic islands. Journal of Biogeography 35: 1106-1111.
4. Trevino, H. S., **A. L. Skibiel**, T. J. Karels, F. S. Dobson. 2008. Importance of causal analysis of threats to oceanic avifaunas: Reply to Blackburn et al. Conservation Biology 22: 495-497.
3. Trevino, H. S., **A. L. Skibiel**, T. J. Karels, F. S. Dobson. 2007. Threats to avifauna on oceanic islands. Conservation Biology 21: 125-132.
2. **Skibiel, A. L.**, H. S. Trevino. 2007. Comparison of several types of enrichment for captive felids. Zoo Biology 26: 371-381.
1. Buonaccorsi, V. and **A. Skibiel**. 2005. A 'striking' demonstration of the Poisson distribution. Teaching Statistics 27: 8-10.

Abstracts:

18. Fabris, T. F., **A. L. Skibiel**, J. Laporta, D. J. McLean, D. J. Kirk, J. D. Chapman, and G. E. Dahl. 2018. Heat stress and OmniGen-AF alter mammary gland gene expression and endocrine responses in the dry period. American Dairy Science Association, Knoxville, TN, Journal of Dairy Science 101 (Suppl. 2): 69.
17. Marrero-Pérez, M. G., S. L. Field, B. Dado-Senn, **A. L. Skibiel**, D. R. Silva, and J. Laporta. 2018. Manipulating serotonin pathway in dairy calves: Impact on blood hematology, growth, and health. American Dairy Science Association, Knoxville, TN, Journal of Dairy Science 101 (Suppl. 2): 127.
16. Field, S. L., M. G. Marrero-Pérez, **A. L Skibiel**, B. Dado-Senn, D. R. Silva, and J. Laporta. 2018. Manipulating serotonin pathway impacts glucose metabolism in dairy calves. American Dairy Science Association, Knoxville, TN, Journal of Dairy Science 101 (Suppl. 2): 170.
15. Fabris, T. F., J. Laporta, **A. L. Skibiel**, Dado-Senn B., D. R. Silva, S. Wohlgemuth, and G. E. Dahl. 2018. Temporal effect of dry period heat stress on mammary gland gene expression and structure. American Dairy Science Association, Knoxville, TN, Journal of Dairy Science 101 (Suppl. 2): 380.
14. **Skibiel, A. L.**, B. Dado-Senn, T. F. Fabris, D. R. Silva, G. E. Dahl, and J. Laporta. 2018. Fetal exposure to thermal stress has long-term effects on mammary morphology and function in dairy cattle. American Dairy Science Association, Knoxville, TN, Journal of Dairy Science 101 (Suppl. 2): 404.
13. Dado-Senn, B., **A. L. Skibiel**, E. Meyer, S. I. Arriola Apelo, and J. Laporta . 2018. Dry period heat stress impacts mammary protein metabolism in the subsequent lactation. American Dairy Science Association, Knoxville, TN, Journal of Dairy Science 101 (Suppl. 2): 406.
12. **Skibiel, A. L.**, R. Amorín, F. Peñagaricano, B. M. Ahmed, G. E. Dahl, and J. Laporta. 2017. Epigenetic effects of in-utero exposure to heat stress on the liver and mammary gland of cattle. American Dairy Science Association, Pittsburgh, PA, Journal of Dairy Science 100 (Suppl. 2): 421.
11. Senn, B. D., **A. L. Skibiel**, T. F. Fabris, G. E. Dahl, and J. Laporta. 2017. Effect of heat stress during the dry period on milk and colostrum yield and quality and mammary gland tight junction formation in the subsequent lactation. American Dairy Science Association, Pittsburgh, PA, Journal of Dairy Science 100

(Suppl. 2): 13.

10. Senn, B. D., **A. L. Skibiel**, T. F. Fabris, F. Peñagaricano, G. E. Dahl, and J. Laporta. 2017. Functional genomics of the mammary gland transcriptome during early involution. American Dairy Science Association, Pittsburgh, PA, Journal of Dairy Science 100 (Suppl. 2): 421.
9. Mejia, C., **A. L. Skibiel**, B. Dado-Senn, T. F. Fabris, V. B. Sichler, S. A. Pinkelton, G. E. Dahl, and J. Laporta. 2017. Exposure of dairy cows to heat stress during late gestation or while in utero affects mammary gland microstructure. American Dairy Science Association, Pittsburgh, PA, Journal of Dairy Science 100 (Suppl. 2): 185.
8. Fabris, T. F., J. Laporta, **A. L. Skibiel**, B. D. Senn, F. N. Corra, S. Wohlgemuth, and G. E. Dahl. 2017. Impact of heat stress during the early and late dry period on subsequent performance in dairy cattle. American Dairy Science Association, Pittsburgh, PA, Journal of Dairy Science 100 (Suppl. 2): 386.
7. **Skibiel, A.L.**, J. L. Powell, T. F. Fabris, Y. M. Torres, F. N. Corrá, J. D. Chapman, D. J. McLean, D. Kirk, G. E. Dahl, and J. Laporta. 2016. Effect of OmniGen-AF supplementation to heat stressed cows during late gestation on blood parameters and immune cells of their calves. Joint Annual Meeting (ADSA-ASAS-CSAS-WSASAS), Journal of Animal Science 94 (E-Suppl. 5): 564
6. **Skibiel, A. L.**, M. Zachut, B. C. do Amaral, Y. Levin, G. E. Dahl. 2016. Liver proteomic analysis of Holstein cows exposed to heat stress or cooling conditions during the dry period. Joint Annual Meeting (ADSA-ASAS-CSAS-WSASAS), Salt Lake City, UT, Journal of Animal Science 94 (E-Suppl. 5): 617
5. **Skibiel, A.L.** and K. Hinde. 2015. Prolactin in mother's milk across lactation in a non-human primate model. Society for Integrative and Comparative Biology Annual Meeting, West Palm Beach, FL, Integrative and Comparative Biology 55 (Suppl 1): e169.
4. **Skibiel, A.L.**, Speakman, J., Hood, W.R. 2013. The costs of current reproduction are not traded against maternal survival or subsequent reproductive performance in the Columbian ground squirrel. Society for Integrative and Comparative Biology Annual Meeting, San Fransisco, CA, Integrative and Comparative Biology 53 (Suppl 1): e200.
3. **Skibiel, A. L.**, Hood, W. R. 2012. Building better babies: impact of individual variation in milk composition on differential reproductive performance of Columbian ground squirrels. Society for Integrative and Comparative Biology Annual Meeting, Charleston, SC, Integrative and Comparative Biology 52 (Suppl 1): e161.
2. Ramirez, M., **Skibiel, A.**, Hood, W. 2012. Lactating Columbian ground squirrels increase nutrient absorption without altering digesta retention. Society for Integrative and Comparative Biology Annual Meeting, Charleston, SC, Integrative and Comparative Biology 52 (Suppl 1): e317.
1. **Skibiel, A. L.**, Hood, W. R. 2011. Temporal and inter-individual variation in milk composition in a free-ranging, hibernating rodent. Society for Integrative and Comparative Biology Annual Meeting, Salt Lake City, UT, Integrative and Comparative Biology 51 (Suppl 1): e251.

Peer Reviewed/Evaluated (currently scheduled or submitted):

1. Fabris, T. F., J. Laporta, **A. L. Skibiel**, F. N. Corra, B. D. Senn, S. E. Wohlgemuth, G. E. Dahl. In review. Impact of heat stress during early, late, and the entire dry period on dairy cattle.

Presentations and Other Creative Activities (*presenter):

13. **Skibiel, A. L.***, R. Amorín, F. Peñagaricano, B. M. Ahmed, G.E. Dahl, and J. Laporta. Epigenetic regulation of the transgenerational response to environmental change in bovine liver and mammary tissue. Poster presentation, 2nd Joint Congress on Evolutionary Biology, Montpellier, France, August 19-22, 2018.
12. **Skibiel, A. L.***, F. Peñagaricano, G. E. Dahl, and J. Laporta*. Climate change in the dairy industry: effects of heat stress on mammary gland microstructure, molecular pathways, and cellular processes in lactating dairy cattle. Poster presentation, UF/IFAS Florida Agricultural Experiment Station Research Awards Ceremony, Gainesville, FL, May 16, 2017.
11. **Skibiel, A. L.***, T. F. Fabris, C. Mejia, G. E. Dahl, J. Laporta. Effects of in-utero heat stress on mammary microstructure and cellular processes during the first lactation of dairy calves. Poster presentation, University of Florida Postdoc Research Symposium, Gainesville, FL, April 14, 2017.
10. Mejia, C.*, **A. L. Skibiel**, B. Dado-Senn, T. F. Fabris, V. B. Sichler, S. A. Pinkelton, G. E. Dahl, and J. Laporta. In utero exposure of dairy heifers to heat stress affects mammary gland microstructure in their first lactation. Oral presentation, Southern Regional ADSA-SAD, Louisiana State University, Baton Rouge, Louisiana, February 16-18, 2017.

9. **Skibiel, A. L.**, Hood, W. R.* Milk matters: offspring survival in Columbian ground squirrels is affected by nutrient composition of milk. Oral presentation, Comparative Nutrition Society Symposium, Pacific Grove, CA, Proceedings of the Comparative Nutrition Society, July 18-23, 2012.
8. **Skibiel, A. L.**, Downing, L.M., Orr, T. J., Hood, W. R.* The evolution of the nutrient composition of mammalian milks. Oral presentation, Comparative Nutrition Society Symposium Pacific Grove, CA, Proceedings of the Comparative Nutrition Society, July 18-23, 2012.
7. **Skibiel, A. L.***, Hood, W. R. Building better babies: composition of mother's milk influences survival of juvenile Columbian ground squirrels. Graduate Student Council Research Symposium, Auburn, AL, April 2, 2011.
6. **Skibiel, A. L.***, Hood, W. R. Building better babies: composition of mother's milk influences survival of juvenile Columbian ground squirrels. Southeastern Ecology and Evolution Conference, Auburn, AL, March 25-27, 2011.
5. **Skibiel, A. L.***, Hood, W. R. Building better babies: composition of mother's milk influences survival of juvenile Columbian ground squirrels. Graduate Student Council Research Forum, Auburn, AL, March 1-3, 2011.
4. **Skibiel, A. L.*** and W. R. Hood. Temporal and inter-individual variation in milk composition in a free-ranging, hibernating rodent. Poster presentation, Comparative Nutrition Society Symposium, Tucson, AZ, Proceedings of the Comparative Nutrition Society, January 3-7, 2010.
3. **Skibiel, A. L.***, Dobson, F. S., Murie, J. O. Maternal influences on reproduction in two populations of Columbian ground squirrels. Poster presentation, International Behavioral Ecology Congress, Ithaca, NY, August 9-15, 2008.
2. **Skibiel, A. L.***, Dobson, F. S., Murie, J. O. Maternal influences on reproduction in Columbian ground squirrels. Oral presentation, Graduate Student Council Research Forum, Auburn University, AL, April 2, 2008.
1. **Skibiel, A. L.***, Trevino, H.* Comparison of feeding enrichments on felids at the Montgomery Zoo. Poster presentation, Zoological Association of America Annual Meeting, Montgomery, AL, January 4-8, 2005.

Professional Meeting Papers, Workshops, Showings, Recitals: (provide date and location)
NA

Patents: (provide title/description, patent number and date)
NA

Grants and Contracts Awarded: (provide principal and co investigators, title, sponsor, funding dates, amount)

Funded:

7. Co-PIs J. Laporta, A. L. Skibiel, F. Peñagaricano, G. E. Dahl. 2016-2017. Climate change in the dairy industry: Identification of pathways and cellular processes in the mammary gland and evaluation of plausible transgenerational effects of heat stress causing impaired milk production. University of Florida's Institute of Food and Agricultural Sciences Climate Change and Florida's Agricultural, Natural Resources and Human Systems Seed Grant, $150,000.
6. Co-PIs W. R. Hood, A. L. Skibiel, F. Bartol, M. Liles. 2014. Dietary effects on milk microbial diversity and application to swine production. Auburn University Hatch Funding Program, $25,000.
5. A. L. Skibiel, Sponsoring scientist: W. R. Hood. 2011. Impacts of maternal energy expenditure during lactation on maternal and offspring survival in the Columbian ground squirrel. American Society of Mammalogists Grant-in-Aid of Research, $1,000.
4. A. L. Skibiel, Sponsoring scientist: W. R. Hood. 2010. Maternal investment and reproductive performance in Columbian ground squirrels. Auburn University Graduate Research Award, $150.
3. A. L. Skibiel, Sponsoring scientist: W. R. Hood. 2009. Effects of maternal investment in milk quality on juvenile Columbian ground squirrels. Sigma Xi Grant-in-Aid of Research, $400.
2. A. L. Skibiel, Sponsoring scientist: W. R. Hood. 2008. Effects of maternal investment in milk composition on juvenile Columbian ground squirrels. Sigma Xi Grant-in-Aid of Research, $1,000.
1. A. L. Skibiel, Sponsoring scientist: F. S. Dobson. 2006. Maternal effects in Columbian ground squirrels. Auburn University Graduate Research Award, $150.

Not funded:

8. Not funded. A. L. Skibiel, Sponsoring scientists: J. Laporta and G. E. Dahl. 2018. Programming of mammary development through the intrauterine environment; consequences of intrauterine growth

restriction. L'Oréal USA for Women in Science Fellowship Program.

7. Not funded. PI: J. Laporta. Postdoctoral Associate: A. L. Skibiel, Collaborator: S. Tao. 2017. Optimization of water use to cool heat stressed cattle: a multi-generational approach. Foundation for Food and Agriculture Research, New Innovator in Food and Agriculture Research Award
6. Not funded. A. L. Skibiel, Sponsoring scientists: J. Laporta and G. E. Dahl. 2016. Maternal programming of offspring mammary development through milk-borne growth factors. L'Oréal USA for Women in Science Fellowship Program.
5. Not funded. A. L. Skibiel, Sponsoring scientists: J. Laporta and G. E. Dahl. 2015. Global climate change and the dairy industry: impacts of in-utero heat stress on bovine mammary function and milk production. Ford Foundation Postdoctoral Fellowship Program.
4. Not funded. Co-PIs: A. L. Skibiel and M. Zhong. Using Learning Catalytics to create an active learning environment in BIOL 1020 and 2500 classrooms. Auburn University, College of Sciences and Mathematics, Instructional Innovation Grant.
3. Not invited for full proposal. Co-PIs: A. L. Skibiel, W. R. Hood, E. Schwartz, M. Liles. 2014. Diet induced programming of offspring immune function through the milk microbiome. NSF pre-proposal, Division of Integrative Organismal Biology, Evolutionary Processes Cluster
2. Not invited for full proposal. PI: K. Hinde, Postdoctoral Fellow: A. L. Skibiel, Senior Personnel: T. Clutton-Brock. 2013. Hormones in mother's and others' milk: Lactocrine programming of behavioral phenotype in an obligate cooperative breeder. NSF, Division of Integrative Organismal Biology, Behavioral Systems Cluster
1. Not funded. A. L. Skibiel, Sponsoring Scientist: W. R. Hood. 2010. Hormonal regulation of nutrient transfer during lactation: impacts on life history tradeoffs and offspring fitness. NSF Doctoral Dissertation Improvement Grant, Division of Environmental Biology, Evolutionary Processes Cluster

Honors and Awards:

2015 Society for Integrative and Comparative Biology Broadening Participation Committee Travel Award
2012 NSF EPSCOR/Auburn University Cellular and Molecular Biosciences Peaks of Excellence Summer Research Fellowship
2012 Auburn University, Department of Biological Sciences Kenneth Ottis Distinguished Graduate Fellowship
2011 Graduate Student Council Research Symposium, second place prize for oral presentations
2011 Graduate Student Council Research Forum, top 30% of oral presentations
2011 Best poster in the Division of Ecology and Evolution, Society for Integrative and Comparative Biology annual meeting, Salt Lake City, UT
2010 Dr. Mary Ellen Mazey Annual Graduate Fellowship for Women in Science
2009 Margaret McNeal Arant Memorial Award in Zoology
2009 Graduate School's Outstanding Doctoral Student Award
2008 Graduate Student Council Research Forum, third place prize for science presentation

SERVICE:

Major Committee Assignments: (National, State, District, County, University, College, Departmental and dates)

- Search Committee for Lecturer in General Biology, Biological Sciences, Auburn University, 2015
- Undergraduate Advisor for Integrative Biology and Pre-Veterinary students, Auburn University, 2013 – 2015
- Biological Sciences Curriculum Committee Member, Auburn University, 2013-2015
- Pearson Education Faculty Advisor Network, 2013 – 2015
- Search Committee for Physiology Laboratory Coordinator, Biological Sciences, Auburn University, 2013
- President of Biological Sciences Graduate Student Association, Auburn University, 2008 – 2010
- Graduate Recruiting Committee Representative, Auburn University, 2005 – 2008
- Coordinator of Behavior, Ecology, and Evolution Reading Society, Auburn University, 2005 – 2006

Professional and Scholarly Organizations (including memberships, committee assignments, editorial services, offices held and dates)

Memberships:
- Society for the Study of Evolution, 2018
- American Dairy Science Association, 2016 – present
- Comparative Nutrition Society, 2010 – 2012
- American Society of Mammalogists, 2009 – 2013
- International Society for Behavioral Ecology, 2008 – 2009
- American Association for the Advancement of Science, 2007 – present
- Society for Integrative and Comparative Biology, 2003 – 2004, 2007 – present

Ad hoc reviewer:
- *PLoS One*
- *Royal Society Open Science*
- *Ecology*
- *Zoo Biology*
- *Canadian Journal of Zoology*
- *Biological Journal of the Linnean Society*

Outreach Service: (Including popular press, interview articles, newspaper articles, workshops-seminars-tours organized, Extension impact statements)

Popular Press:
- "The surprising links between human milk and the wild" Jason G. Goldman, BBC, July 8, 2016
- "Seven of the Most Extreme Milks in the Animal Kingdom" Shreya Dasgupta, Smithsonian Magazine, Sep. 14, 2015
- "In a Mother's Milk, Nutrients, and a Message, Too" Carl Zimmer, New York Times, Nov. 6, 2014

Activities:
- Panelist for Graduate Student Division Career Insights Luncheon, American Dairy Science Association Annual Meeting, June 25, 2018
- Judge for Graduate Student Research Day, University of Florida Graduate School, April 3, 2018
- Family Day at the Dairy Farm, University of Florida, Institute of Food and Agricultural Sciences, March 31, 2018
- WISE Girlz Science Camp, University of Florida, iDigBio and Florida Museum of Natural History, March 26 – 30, 2018
- Judge for Graduate Student Research Day, University of Florida Graduate School, April 3, 2017
- Family Day at the Dairy Farm, University of Florida Dairy Unit, April 1, 2017
- WISE Girlz Science Camp, University of Florida, iDigBio and Florida Museum of Natural History, March 20 – 24, 2017
- Family Day at the Dairy Farm, University of Florida Dairy Unit, March 19, 2016
- Reviewer for McGraw-Hill Education Human Anatomy and Physiology lab manual, 2016
- Reviewer for Pearson Education's Learning Catalytics and Mastering programs, 2013 – 2015
- Participant in Society for Women in Sciences and Mathematics Symposium, Auburn University, May 8, 2014
- Panelist for Society for Women in Sciences and Mathematics Symposium, Auburn University, August 27, 2010
- Creepy Critters event, Louise Kreher Forest Ecology Preserve, Auburn University, October 24, 2009

Community Service: (non-academic unrelated to employment)
- "Spread the Gnu's", Organized fundraiser event for local bookstore, 2009
- Humane Society Pet Adoption Volunteer, 2004-2007

Honors and Awards:
NA

PROFESSIONAL DEVELOPMENT: (workshops and seminars attended)

Teaching:
- Engaged and Personalized Learning Conference, University of Florida, 2017
- Dr. Brian Lukoff, "Using MyLabs and Mastering feature, Learning Catalytics, to create an interactive classroom" Webinar, Pearson Education, 2014.
- Dr. Matt Stoltzfus, "Unlikely ed fellows. How Bill Simmons, the Amish, and Edwin Porter helped flip my classroom." Webinar, Pearson Education, 2014
- Dr. Eric Mazur, "The principles and practice of physics." Seminar, Auburn University, 2014
- Conversations in Celebration of Teaching Symposium, Auburn University, 2013
- Life Sciences Education Undergraduate Mentoring Workshops, Harvard University, 2013
- Bok Center Teaching Conference, Harvard University, 2012

Scholarship:
- Florida Ruminant Nutrition Symposium, Gainesville, FL, February 5 – 7, 2018
- Florida Dairy Production Conference, Gainesville, FL, April 20, 2017
- Florida Ruminant Nutrition Symposium, Gainesville, FL, February 6 – 8, 2017
- University of Florida-Florida A&M University Animal Sciences Symposium, October 13 – 14, 2017
- Florida Dairy Production Conference, Gainesville, FL, April 6, 2016
- Florida Ruminant Nutrition Symposium, Gainesville, FL, February 15 – 17, 2016
- University of Florida-Florida A&M University Animal Sciences Symposium, October 16 – 17, 2015
- New Faculty Scholars Program, Auburn University, 2013-2014

Outreach:
- Women's Leadership Conference, Auburn University, March 13, 2015

Administration/Management:
NA