

**Curriculum vitae**  
**STACEY LEE WEISS**

Department of Biology  
University of Puget Sound  
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**RESEARCH INTERESTS:** Behavioral ecology, sexual selection, animal communication, reproductive behavior and physiology, microbial ecology

**EDUCATION**

- 1999 Ph.D. Duke University, Zoology  
Title: The function and regulation of reproductive color of female striped plateau lizards (*Sceloporus virgatus*)  
Advisor: Dr. Stephen Nowicki  
Minor in Behavioral Anthropology and Anatomy
- 1991 B.S. University of California at Los Angeles, Biology  
Concentration in Ecology, Behavior, and Evolution

**ACADEMIC POSITIONS**

- 2013-present **Professor**, Biology Department, University of Puget Sound  
Courses Taught: General Ecology, Animal Behavior, Animal Communication, Evolution and Biology of Sex, Science and Gender, Introduction of Biological Research, Directed Research, Senior Thesis
- 2017-2018 **Visiting Scholar**, Department of Plant Sciences, University of Arizona, Tempe, AZ
- 2010-2013 **Associate Professor**, Biology Department, University of Puget Sound  
Courses Taught: Animal Behavior, General Ecology, Science and Gender, Directed Research, Senior Thesis
- 2004-2010 **Assistant Professor**, Biology Department, University of Puget Sound  
Courses Taught: Animal Behavior, General Ecology, Comparative Animal Physiology Lab, Introduction to Biological Research, Directed Research, Senior Thesis
- 2000-2004 **Postdoctoral Research Associate**, Biology Department, Arizona State University  
NIMH NRSA Research Fellow (2000-2003), Research Associate (2003-2004)  
Additional activities: co-organized a graduate level course, The Philosophy of Teaching
- 2003 **Adjunct Faculty**, Life Science Department, Mesa Community College, Mesa, AZ  
Courses Taught: Biology Concepts (Non-majors Introductory Biology)
- 2003 **Adjunct Faculty**, Biology Department, Arizona State University  
Courses Taught: Animal Behavior
- 1999-2000 **Postdoctoral Research Fellow**, Office of the Provost and the Center for Teaching, Learning, and Writing, Duke University, Durham, NC  
Assessed NSF and Howard Hughes funded education programs at Duke; Co-wrote a successful grant (\$20,000) to the Preparing Future Faculty Program for the establishment of a Teaching Biology Certificate Program

1992-98      **Teaching Assistant**, Zoology Department, Duke University, Durham, NC  
    Courses Assisted: Animal Behavior (1 semester), Introductory Biology (4 semesters), Principles of Physiology (5 semesters)

#### OTHER PROFESSIONAL EXPERIENCE

1999      **Assistant Editor**, Carolina Academic Press, Durham, NC  
    Assisted the development of 6<sup>th</sup> and 8<sup>th</sup> grade integrated science textbooks and associated teacher resource materials.

1994      **Independent Research**, southwestern NM and southeastern AZ  
    Studied maternal behavior and other life history traits of pronghorn, *Antilocapra americana*

**Research Intern**, Zoo Atlanta Conservation ARC, Atlanta, GA  
    Initiated study of birth sex-ratio of captive ungulates. Taught behavioral observation and analysis methods to “Junior Biologists” summer school children (ages 8-13)

1993      **Research Assistant** for Dr. Sue Fairbanks, Antelope Island, UT  
    Studied fawning behavior of pronghorn, *Antilocapra americana*

1990-92      **Research Assistant** for Dr. Jared Diamond, Physiology Department, UCLA  
    Studied capacity-matching in series biological pathways. Tested whether the ability of the small intestine to cleave sucrose and to absorb glucose were matched to each other under various dietary loads and stresses

1991      **Research Assistant** for Dr. Barbara Rose, Southwestern Research Station, Portal, AZ  
    Studied nesting behavior in the striped plateau lizard, *Sceloporus virgatus*

1990      **Research Volunteer**, Southwestern Research Station, Portal, AZ  
    **Reference Editor**, Review of Infectious Diseases, Los Angeles, CA

#### PUBLICATIONS

##### **Research Articles (\*indicates Puget Sound student coauthor):**

30. Bunker, M.E., G. Elliott\*, H. Heyer-Gray\*, M.O. Martin, A.E. Arnold, and **S.L. Weiss**. 2021. Vertically transmitted microbiome protects eggs from fungal infection and egg failure. *Animal Microbiome* 3:43.
29. **Weiss, S.L.** and R.M. Brower. 2021. Wildfire as a natural stressor and its effect on female phenotype and ornament development. *Ecol Evol* 11:6223-6232.
28. Goldberg, J.K., G. Pintel, J.A. Pruett, and **S.L. Weiss**. 2021. Whiptail lizards (*Aspidoscelis exsanguis*) recognize invertebrate prey via cuticular hydrocarbons. *Ethology* 127:416-423.
27. Hughes, M., S.M. Bertram, A.M. Young<sup>a</sup>, J.W. Merry<sup>a</sup>, G.R. Kolluru<sup>a</sup>, A.S. Dunlap<sup>a</sup>, A. Danielson-Francois<sup>a</sup>, and **S.L. Weiss<sup>a</sup>**. 2021. Teaching animal behavior in the midst of a pandemic: A primer. *Ethology* 127:14-31. <https://doi.org/10.1111/eth.13096> (<sup>a</sup>Equal co-authors; order decided randomly)  
    Preprint published in 2020 on EcoEvoRxiv.org (<https://ecoevorxiv.org/64y25/>)
26. Ballen, C.J., S.M. Aguillon, ...**S.L. Weiss**...and S. Cotner (26 authors in total). 2019. Smaller classes promote equitable student participation in STEM. *BioScience* 69:669-680.  
<https://doi.org/10.1093/biosci/biz069>

25. Goldberg, J.K., G. Pintel, **S.L. Weiss**, and E.P. Martins. 2019. Predatory lizards perceive plant-derived volatile odorants. **Ecol Evol** 9:4733-4738. <https://doi.org/10.1002/ece3.5076>
24. Ballen, C.J., S. Aguillon, R. Brunelli, A.G. Drake, D. Wassenberg, **S.L. Weiss**, K.R. Zamudio, and S. Cotner. 2018. Do small classes in higher education reduce performance gaps in STEM? **BioScience** 68:593-600
23. Paterson, J.E., **S.L. Weiss** and G. Blouin-Demers. 2018. Experimental removal reveals only weak interspecific competition between two coexisting lizards. **Canadian Journal of Zoology** 96:888-896.
22. **Weiss, S.L.** and M. Dubin\*. 2018. Male mate choice as differential investment in contest competition is affected by female ornament expression. **Current Zoology** 64:335-344
21. Goldberg\*, J.K., A.K. Wallace\*, and **S.L. Weiss**. 2017. Skin lipids of the striped plateau lizard (*Sceloporus virgatus*) signal female receptivity and reproductive quality alongside visual ornaments. **The Science of Nature** 104:81. DOI: 10.1007/s00114-017-1503-3
20. **Weiss, S.L.** 2016. Ornamentation, age and survival of female striped plateau lizards, *Sceloporus virgatus* (Phrynosomatidae). **The Science of Nature** 103:1-8
19. **Weiss S.L.**, E.E. Mulligan\*, D. Wilson and D. Kabelik. 2013. Effect of stress on female-specific ornamentation. **Journal of Experimental Biology** 216:2641-2647
18. Fritzsche\*, A.K. and **S.L. Weiss**. 2012. Effect of signaler body size on the response of male striped plateau lizards (*Sceloporus virgatus*) to conspecific chemical cues. **Journal of Herpetology** 46:79-84
17. **Weiss S.L.**, K. Foerster, and J. Hudon. 2012. Pteridine, not carotenoid, pigments underlie the female-specific orange ornament of striped plateau lizards (*Sceloporus virgatus*). **Comparative Biochemistry and Physiology Part B: Biochemistry and Molecular Physiology** 161:117-123
16. **Weiss, S.L.**, E.A. Kennedy\*, R.J. Safran and K.J. McGraw. 2011. Female ornamentation predicts yolk antioxidant levels in striped plateau lizards (*Sceloporus virgatus*). **Journal of Animal Ecology** 80:519-527
15. Martin, M.O., F.R. Gilman\*, and **S.L. Weiss**. 2010. Sex specific asymmetry within the cloacal microbiota of the striped plateau lizard, *Sceloporus virgatus*. **Symbiosis** 51:97-105
14. **Weiss, S.L.**, E.A. Kennedy\*, and J.A. Bernhard. 2009. Female-specific ornamentation predicts offspring quality in striped plateau lizards, *Sceloporus virgatus*. **Behavioral Ecology** 20:1063-1071  
<http://beheco.oxfordjournals.org/cgi/reprint/arp098?ijkey=oAwz3TmPYJkr89z&keytype=ref>
13. Kabelik D., **S.L. Weiss**, and M.C. Moore. 2008. Arginine vasotocin (AVT) immunoreactivity relates to testosterone but not territorial aggression in the tree lizard, *Urosaurus ornatus*. **Brain, Behavior and Evolution** 72:283-294
12. Kabelik D., **S.L. Weiss**, and M.C. Moore. 2008. Steroid hormones alter neuroanatomy and aggression independently in the tree lizard. **Physiology and Behavior** 93(2008):492-501
11. Strand, C., M.S. Ross, **S.L. Weiss**, and D. Deviche. 2008. Testosterone and social context affect singing behavior but not song control region volumes in adult male songbirds in the fall. **Behavioural Processes** 78(2008):29-37
10. **Weiss, S.L.**, G. Johnston, and M.C. Moore. 2007. Corticosterone stimulates hatching of late-term tree lizard embryos. **Comparative Biochemistry and Physiology A** 146(3):360-365

9. Kabelik D., **S.L. Weiss**, and M.C. Moore. 2006. Steroid hormone mediation of limbic brain plasticity and aggression in free-living tree lizards, *Urosaurus ornatus*. **Hormones and Behavior** 49(5):587-597  
Invited commentary by editorial board member Juli Wade accompanied publication: *Hormones and Behavior* 49(5): 577-579
8. **Weiss, S.L.** 2006. Female-specific color is a signal of quality in the striped plateau lizard (*Sceloporus virgatus*). **Behavioral Ecology** 17(5):726-732
7. **Weiss, S.L.** 2005. Response of conspecifics to reproductive color of female striped plateau lizards, *Sceloporus virgatus*. **Journal of Negative Results** 2:10-19
6. **Weiss, S.L.** and M.C. Moore. 2004. Activation of aggressive behavior by progesterone and testosterone in male tree lizards, *Urosaurus ornatus*. **General and Comparative Endocrinology** 136(2):282-288
5. **Weiss, S.L.** 2002. Reproductive signals of female lizards: pattern of trait expression and male response. **Ethology** 108(9):793-813
4. **Weiss, S.L.**, D.H. Jennings, and M.C. Moore. 2002. Effect of captivity in semi-natural enclosures on the reproductive endocrinology of female lizards. **General and Comparative Endocrinology** 128(3):238-246
3. **Weiss S.L.** 2001. The effect of reproduction on food intake of a sit-and-wait foraging lizard, *Sceloporus virgatus*. **Herpetologica** 57(2):138-146
2. Lee E.A., **S.L. Weiss**, M. Lam, R. Torres, and J. Diamond. 1998. A method for assaying intestinal brush border sucrase in an intact intestinal preparation. **Proceedings of the National Academy of Science** 95(5):2111-2116
1. **Weiss S.L.**, E.A. Lee, and J. Diamond. 1998. Evolutionary matches of enzyme and transporter capacities to dietary substrate loads in the intestinal brush border. **Proceedings of the National Academy of Science** 95(5):2117-2121

**Non-peer Reviewed Publication:**

**Weiss, S.L.** 2011. Horseshoe II Fire – Effect on research and education at the SWRS. SWRS Newsletter, 26:3-4.

**Published Abstracts (\*indicates Puget Sound student coauthor):**

- Balbag\*, B.S., and **S.L. Weiss**. 2010. Bigger is better: The effect of female ornamentation on male mate choice in the striped plateau lizard. *Integrative and Comparative Biology* 50(1):e7
- Weiss, S.L.**, and A.K. Fritzsche\*. 2010. Chemical cues indicate familiarity and body size in striped plateau lizards. *Integrative and Comparative Biology* 50(1):e187
- Kabelik, D., **S.L. Weiss**, and M.C. Moore. 2005. Steroid hormone mediation of brain plasticity and aggression in free-living lizards, *Urosaurus ornatus*. *Brain Behavior and Evolution* 66(2):150
- Kabelik, D., **S.L. Weiss**, and M.C. Moore. 2005. Testosterone, aggression, and amygdala morphology in the tree lizard, *Urosaurus ornatus*. *Integrative and Comparative Biology* 44(6): 580
- Weiss, S.L.**, G. Johnston, and M.C. Moore. 2005. Corticosterone stimulates hatching of tree lizard embryos. *Integrative and Comparative Biology* 44(6): 761
- Kabelik D., **S.L. Weiss**, M.C. Moore. 2004. Neural dimorphisms within and between sexes in the tree lizard, *Urosaurus ornatus*. **Hormones and Behavior** 46(1):93

- Kabelik D., S.L. Weiss, M.C. Moore. 2004. Testosterone, aggression, and amygdala morphology in the tree lizard, *Urosaurus ornatus*. **Integrative and Comparative Biology** 44(6):580
- Kabelik D., S.L. Weiss, M.C. Moore. 2003. Seasonal plasticity in hormone levels, brain morphology, and aggressive behavior of the Tree Lizard, *Urosaurus ornatus*. **Hormones and Behavior** 44(1):57
- Weiss S.L.**, D.H. Jennings, D. L. Painter, M.C. Moore. 2003. Endocrine capacity of oviductal tissues of oviparous (*Urosaurus ornatus*, *Sceloporus virgatus*) and viviparous (*S. jarrovi*) lizards. **Integrative and Comparative Biology** 43:812
- Kabelik, D., **S.L. Weiss**, and M.C. Moore. 2002. How plastic is the brain? Hormonal control of brain morphology and function in the tree lizard. **Hormones and Behavior** 41(4):473-474
- Weiss, S.L.**, and M.C. Moore. 2001. Testosterone and progesterone activate aggression in male tree lizards. **American Zoologist** 41:1622-1623
- Weiss S.L.**, and M.C. Moore. 2001. Effect of testosterone and progesterone on male aggression in the tree lizard. **Hormones and Behavior** 39:353-354
- Hoese, W.J., and **S.L. Weiss**. 2001. The relationship between student engagement and student performance in an introductory biology course that emphasizes active learning. **American Zoologist** 41:1472-1473
- Jennings, D.H., **S.L. Weiss**, and M.C. Moore. 2001. Ontogenetic changes in embryonic yolk steroid content in tree lizards: Transfer of hormones from the developing embryo to the yolk? **Hormones and Behavior** 39:334
- Jennings, D.H., **S.L. Weiss**, and M.C. Moore. 2000. Ontogenetic changes in embryonic yolk steroid content in tree lizards: Transfer of hormones from the developing embryo to the yolk? **American Zoologist** 40:1075-1076
- Weiss S.L.**, D. Jennings, and M.C. Moore. 1997. Sex steroid hormones during the reproductive cycle of female striped plateau lizards, and their relationship to reproductive coloration. **American Zoologist** 37(5):184A

## HONORS AND AWARDS

- 2019-2024 McCormick Professor of Natural Science, University of Puget Sound
- 2018-23 Named Distinguished Professor, University of Puget Sound
- 2017-18 John Lantz Senior Sabbatical Fellowship, University of Puget Sound  
John Lantz Sabbatical Enhancement Award, University of Puget Sound
- 2016 Dirk Andrew Phibbs Memorial Award, University of Puget Sound  
Agricola Faculty Mentor Award, University of Puget Sound
- 2015 Release Unit, University Enrichment Committee, University of Puget Sound
- 2013 Thomas A. Davis Teaching Award, University of Puget Sound
- 2012 McCormick Faculty Mentor Award, University of Puget Sound
- 2011 Burlington Northern Curriculum Development Award, University of Puget Sound
- 2008 McCormick Faculty Mentor Award, University of Puget Sound
- 2007 Martin Nelson Junior Sabbatical Fellowship, University of Puget Sound  
McCormick Faculty Mentor Award, University of Puget Sound
- 2005-12, 2016 Conference Participation Travel Grant, University of Puget Sound
- 1992-99 University Graduate Fellowship, Duke University
- 1998 Conference Travel Fellowship, Duke University Graduate School

1993 Student Housing Grant, Society of Integrative and Comparative Biology  
Honorable Mention, National Science Foundation Graduate Fellowship  
1991 Departmental Honors, UCLA

## COMPETITIVE RESEARCH GRANTS

### **External Grants:**

2017 **National Science Foundation** IOS/RUI grant (total 5 year award: \$731,647), "Antifungal protection of eggs by maternal cloacal microbiota"  
**National Geographic Society** Research and Exploration Grant (preliminary proposal invited for full submission which was not funded), "Cloacal microbes as a source of antifungal egg protection across species and populations of sceloporine lizards"  
2015 **National Science Foundation** (co-PI; preliminary proposal; submitted but not funded), "Preliminary Proposal: RUI: Does sexual selection drive trait evolution in females? Phrynosomatid lizards as a model system"  
2012 **National Science Foundation** (preliminary proposal; submitted but not funded), "Preliminary Proposal: RUI: Investigating proximate and ultimate aspects of a sexual dimorphism in microbial communities of the striped plateau lizard"  
2010-12 **Murdock Charitable Trust** Life Sciences Grant (Renewal; Total 2 year award: 48,500), "Sexually selected signals of female striped plateau lizards: a study integrating behavioral ecology, chemical ecology and microbiology"  
2008-10 **Murdock Charitable Trust** Life Sciences Grant (Total 2 year award: \$40,500), "Evolution of Female Ornamentation: Understanding Male Preference of Brighter Females"  
2000-03 **National Institute of Health**, Individual National Research Service Award (Postdoctoral Fellowship; Total 3 year award: \$114,608), "The role of progesterone in male phenotype expression"  
1996-1999 **National Science Foundation** Dissertation Improvement Grant (\$9,755)  
1998 **Cocos Foundation** Dissertation Improvement Fellowship (\$6,900)  
1997 **North Carolina Academy of Science** Robert R. Bryden Graduate Research Award (\$500)  
1996, 1997 **American Museum of Natural History** Theodore Roosevelt Grant (\$1,000; \$1,500)  
1996 **Animal Behavior Society** Research Grant (\$750)  
1995, 1996 **Sigma Xi** Grant-in-Aid of Research (\$500; \$700)  
1995 **American Museum of Natural History** Southwestern Research Station Student Support Fund (\$400)

### **Internal Grants:**

2017 Martin Nelson Award for Summer Research, "Maternal protection of eggs via anti-fungal microbes in oviparous lizards" (\$4000)  
2015 University Enrichment Committee grant, "Male response to female-specific ornamentation in the striped plateau lizard (*Sceloporus virgatus*)" (\$2000)  
2012 Martin Nelson Award for Summer Research, "The effect of fire on the population and community ecology of the striped plateau lizard" (\$4000)

- 2010-12 University Enrichment Committee grant, “The communication function of female striped plateau lizards’ chemical signals” (\$2000)
- 1997 Aleane Webb Dissertation Research Fellowship, Duke University Graduate School (\$350)

## **PRESENTATIONS**

### ***Invited Research Seminars:***

- 2017 University of Puget Sound, Thompson Hall Science and Math Seminar  
Seattle University, Seattle, WA  
Southwestern Research Station Summer Seminar Series, Portal, AZ
- 2011 University of Puget Sound, Thompson Hall Science and Math Seminar  
Southwestern Research Station Summer Seminar Series, Portal, AZ
- 2010 Pacific Lutheran University, Tacoma, WA
- 2007 Southwestern Research Station Summer Seminar Series, Portal, AZ (student co-presenter)
- 2006 University of Puget Sound, Fall Family Weekend Seminar  
University of Puget Sound, Ideas as Work and Play Seminar  
University of Puget Sound, Thompson Hall Science and Math Seminar
- 2004 Ohio Wesleyan University, Delaware, OH  
Sacred Heart University, Fairfield, CT  
University of North Florida, Jacksonville, FL  
University of Puget Sound, WA
- 2003 Hanover College, Hanover, IN  
Moravian College, Bethlehem, PA  
Morehouse College, Atlanta, GA
- 2000 Arizona State University, Tempe, AZ, Current Topic in Biology Seminar Series  
Grand Canyon University, Phoenix, AZ, College of Science and Allied Health Undergraduate Seminar Series

### ***Presentations at Meetings (\*indicates Puget Sound student coauthor):***

**(Note: Posters and talks on which I was listed as coauthor but did not present myself are listed separately below)**

- 2018 Biology of Lizards\*, Rodeo, NM
- 2016 Animal Behavior Society\*, Columbia, MO
- 2014 International Society for Behavioral Ecology, New York City, NY
- 2012 Ecological Society of America Annual Meeting\*, Portland, OR
- 2011 Animal Behavior Society & International Ethological Conference Joint Meeting, Bloomington, IN
- 2010 Animal Behavior Society\*, Williamsburg, VA  
International Society for Behavioral Ecology\*, Perth, Australia  
Society for Integrative and Comparative Biology\*, Seattle, WA
- 2009 Joint Meeting of Ichthyologists and Herpetologists\*, Portland, OR
- 2008 International Society for Behavioral Ecology\*, Ithaca, NY
- 2007 Animal Behavior Society\*, Burlington, VT
- 2006 Animal Behavior Society\*, Snowbird, UT

- 2005 Animal Behavior Society\*, Snowbird, UT  
Society for Integrative and Comparative Biology, San Diego, CA
- 2004 Society for Integrative and Comparative Biology, New Orleans, LA
- 2002 Animal Behavior Society, Bloomington, IN  
Society for Integrative and Comparative Biology, Anaheim, CA
- 2001 Animal Behavior Society, Corvallis, OR  
Society for Behavioral Neuroendocrinology, Scottsdale, AZ
- 1999 Animal Behavior Society, Lewisburg, PA
- 1998 North Carolina Academy of Science, Greensboro, NC  
Society for Integrative and Comparative Biology, Boston, MA
- 1996 Duke University Mini-Symposium, Durham, NC  
Animal Behavior Society Meeting, Flagstaff, AZ  
Zoology Graduate Student Mini-Symposium, Durham, NC
- 1994 Duke University Mini-Symposium, Beaufort, NC

***Presentations at Meetings as Coauthor (\*\*indicates Puget Sound student presenter(s), \*indicates Puget Sound non-presenting student coauthor):***

(Note: List excludes student presentations at the University of Puget Sound's Fall Research Symposia and Phi Sigma Undergraduate Research Symposia, which my research students have presented at annually since 2005)

- 2021 Ecological Society of America\*\*, virtual conference (Four presentations from lab group, three presented by students)  
University of Washington Undergraduate Research Symposium\*\*, Seattle, WA (Two student presentations)
- 2020 Animal Behavior Society Meeting, Virtual Meeting (co-authored two talks)  
Talks posted to YouTube:  
<https://www.youtube.com/playlist?list=PLgOM0IKqcpzVQXVEoSWS-TV2YCCDCfQEVg>
- 2016 Center for the Integrative Study of Animal Behavior Conference\*\*, Bloomington, IN  
University of Washington Undergraduate Research Symposium\*\*, Seattle, WA
- 2015 Murdock College Science Research Conference\*\*
- 2014 Joint meeting of the International Society for Chemical Ecology and the Chemical Signals in Vertebrates group\*\*,\*, Champaign, IL
- 2013 Murdock College Science Research Conference\*\*  
South Sound Undergraduate Geosciences Conference\*\*, Tacoma, WA
- 2012 Murdock College Science Research Conference\*\* (Five students separately presented at this meeting)  
University of Puget Sound, Thompson Hall Science Seminar\*\* (Two students co-presented this seminar)
- 2011 Murdock College Science Research Conference\*\*
- 2010 Society for Integrative and Comparative Biology\*\*, Seattle, WA (Two students separately presented at this meeting)
- 2009 International Symbiosis Society Congress\*, Madison, WI  
Murdock College Science Research Conference\*\* (Two students separately presented at this meeting)



- West Coast Biological Sciences Undergraduate Research Conference\*\*, San Diego, CA (Two students separately presented at this meeting)
- 2008 Murdock College Science Research Conference\*\* (Two students separately presented at this meeting)
- 2006 Animal Behavior Society\*\*, Snowbird, UT (Two students separately presented at this meeting)
- Evo-Wibo: A Meeting of the Evolutionary Biologists of the Pacific Northwest\*\*, Port Townsend, WA (Student received Best Student Poster Award)
- 2005 Western Regional Conference on Comparative Endocrinology\*\*, Corvallis, OR
- Herpetofauna of Sonoran Desert Conference
- J.B. Johnston Club Meeting, Washington, DC
- Sigma Xi Annual Meeting and Student Research Conference\*\*, Seattle, WA (Student received Excellent Poster Presentation Award)
- Society for Behavioral Neuroendocrinology, Austin, TX
- Society for Neuroscience, Washington, DC
- 2004 Society for Behavioral Neuroendocrinology
- Society for Integrative and Comparative Biology, New Orleans, LA
- 2003 Society for Behavioral Neuroendocrinology, Cincinnati, OH
- 2002 Society for Behavioral Neuroendocrinology, Amherst, MA

**Guest Lectures:**

- 2014-ongoing Desert Ecology, Fryeburg Academy (research presentation with student co-presenters) This class from Fryeburg, Maine visits the research station where I do my field work each summer
- 2008-ongoing SANITY: Science and Nature in Tandem for Youth, Tucson Magnet High School (research presentation with student co-presenters) This class from Tucson, AZ visits the research station where I do my field work each summer
- 2018 Honors Microbiology, University of Arizona (“Microbes and Animal Behavior;” planned for April 2018)
- 2017 Arnold Lab Meeting, University of Arizona (research presentation)
- 2016 Art and Science of Color, University of Puget Sound (“Animal Color”)
- 2015, 2016 Conservation Biology, University of Puget Sound (“Conservation Behavior”)
- 2012 Introduction to Gender Studies, University of Puget Sound (“Mating Systems, Multiply Mating Females, and Menstruation”)
- Special Topics in Neuroscience, University of Puget Sound (“The Vomeronasal Organ and Pheromonal Communication”)
- 2011 Special Topics in Neuroscience, University of Puget Sound (“Chemical Cues and Sexual Selection”)
- 2010 General Ecology, University of Puget Sound (“Sexual Selection”)
- Evolution, University of Puget Sound (“Sexual Selection”)
- 2004-2016 Biology Colloquium, University of Puget Sound (research presentation)
- 2004 Herpetology, Arizona State University (research presentation)

## **SERVICE**

### ***Departmental and University Service – at the University Of Puget Sound***

- 2020-ongoing Biology Department Chair
- 2018-ongoing Institutional Animal Care and Use Committee (IACUC)
- 2012-ongoing Gender and Queer Studies Board
- 2018-21 Student Evaluations of Teaching Task Force
- 2019 Search Committee Member, Storeroom Assistant position
- 2019 Reviewer, Student Summer Research Grants in Science and Mathematics
- 2017 Reviewer, Student Summer Research Grants in Science and Mathematics
- 2016 Reviewer, Student Summer Research Grants in Science and Mathematics
- 2016 Presidential Candidate Interview Panel
- 2015-17 Faculty Advancement Committee
- 2014-15 Ad Hoc Committee of the Faculty Senate on Medical & Family Leave Policies (Chair)
- 2014-15 Writing Assessment Committee, Biology Department
- 2014 Science and Gender Roundtable, Discussion Leader  
CWLTL Pedagogy Workshop, Session Leader (“Working with Students on Writing Research Proposals”)
- 2012-15 Associate Chair, Biology Department
- 2012-13 Neuroscience Program Steering Committee
- 2011-14 University Enrichment Committee (Faculty Grant Sub-committee Chair, Spring 2012; UEC Chair, Fall 2012)
- 2011-14 Faculty/University Club Trustee
- 2010-12 Neuroscience Job Search Committee Member
- 2010-11 Admitted Students Discussion Board, Participant
- 2009-10 Interim Director of the Summer Research in Mathematics and the Sciences Program
- 2008-17 Writing Group, Organizer
- 2007-10 Faculty Senate
- 2007 Initiative in the Sciences and Mathematics for Recruiting & Retaining Underrepresented Students, Group Member  
Reviewer, Student Summer Research Grants in Science and Mathematics
- 2006-10 Phi Sigma – The Biology Honors Society Faculty Advisor
- 2006-07 Harned/Thompson Building Committee, Department Liaison
- 2006 Reviewer, Student Summer Research Grants in Science and Mathematics
- 2005-12 Institutional Animal Care and Use Committee
- 2005-07 Library, Media and Information Services Committee
- 2005-06 Student Research Committee (Chair), Biology Department

### ***Departmental and University Service – at Duke University***

- 1995-98 Zoology Departmental Seminar Series, Reception Organizer
- 1996-97 Animal Behavior/Behavioral Ecology Faculty Search Committee, Graduate Student Representative
- 1994-97 Graduate Student Distinguished Speaker Series, Coordinator
- 1996 Behavior Journal Club, Organizer
- 1995-96 Zoology Graduate Student Steering Committee

**Professional Service and Outreach**

- 2015-ongoing Member of the Public Affairs Committee of the Animal Behavior Society
- 2015-ongoing Reviewer, Animal Behavior Society's Graduate Student Grants
- 2008-ongoing Research mentor, Tucson Magnet High School summer science program, SANITY: Science and Nature in Tandem for Youth (This class from Tucson, Arizona visits the research station where I do my field work each summer)
- 2019 Reviewer, Southwestern Research Station Outstanding Graduate Research Awards
- 2018 Guest presenter, Phi Sigma Biology Honors Society
- Research mentoring, University of Mississippi Sky Island Biodiversity student
- Lecture and field demonstration ("Lizards of the Chiricahuas"), Tucson Magnet High School summer science program, SANITY: Science and Nature in Tandem for Youth (at SWRS)
- Field demonstration, St. Edward's University NSF-funded Living Learning Community/Active Learning Project (for STEM-minority students)
- Field demonstration and mentoring ("Microbial Ecology of Lizards"), eighth grade Gifted and Talented Education Program for the Douglas Unified School District, Douglas, AZ
- Preschool class visit ("Desert Life"), International School for Peace, Tucson, AZ
- Lab tour and research advising ("Developing the Scientific Mind"), Sahuarita High School, Tucson, AZ (at University of Arizona)
- 2017-2018 Research mentor, Tucson High Magnet School, Bio Tech 2 class. (Two projects involving 3 STEM-minority students)
- 2017 Guest lecturer, Tucson High Magnet School, Bio Tech 2 Class
- Expert Reviewer (paid), MacMillan Learning re: textbook development project
- 2016 Judge, The Society for Integrative and Comparative Biology, Division of Animal Behavior Best Student Paper
- Expert Consultant (paid), SimBio re: SimUText Experimental Design Module
- 2014 Interview panel participant for Girl Scout aMUSE Leadership Journeys; Troops 43908 & 40216
- Interviewed on KLAY 1180 AM talk radio re: Biology 472 student research at Point Defiance Zoo & Aquarium
- 2012 Judge, Buell Award (Ecological Society of America's Best Student Presentation competition)
- 2011 Reviewer, Animal Behavior Society's Graduate Student Grants
- Judge, Genesis Award (ABS undergraduate poster competition)
- Mentor, Turner Award Participants (ABS program supporting undergraduate participation at society meetings)
- External Reviewer, Pacific University: promotion to full professor
- Judge, Bryant Middle School Science Fair, Tacoma, WA
- 2010 Judge, Best Student Presentation, Society for Integrative and Comparative Biology, Division of Animal Behavior
- 2007-2015 Member of Membership Committee of the Animal Behavior Society
- 2007 Judge, Tahoma Audubon Society Drawing Contest, Tacoma, WA

- 2005 Judge for Best Student Paper, The Society for Integrative and Comparative Biology, Division of Comparative Endocrinology
- 2004 Local Organizing Committee, International Symposium on Avian Endocrinology  
Speaker, "Tips for the Academic Job Hunt," Arizona State University Life Science graduate student brown bag seminar
- 2002 Judge, Best Student Paper, The Society for Integrative and Comparative Biology, Division of Comparative Endocrinology
- 2001 Local Organizing Committee, Society for Behavioral Neuroendocrinology Annual Meeting, Scottsdale, AZ  
Judge, Life and Earth Science Graduate Research Symposium, Arizona State University, Tempe, AZ
- 1998 Judge, Collegiate Paper Competition, North Carolina Academy of Science Derieux Award, Greensboro, NC
- 1997 Guest Speaker, Girl Scout Troop #406, Tucson, AZ
- 1993 Panelist, Graduate School Information Session, Davidson College, Davidson, NC  
Graduate Associate, COSEN (Carolina-Ohio Science Education Network) Research Experience in Science and Mathematics for Undergraduates, Durham, NC

**Reviewer for:** Amphibia-Reptilia  
Animal Behaviour  
Behavioral Ecology  
Behavioral Ecology and Sociobiology  
Biochemical Systematics and Ecology  
Biological Journal of the Linnean Society  
Biology Letters  
Comparative Biochemistry and Physiology A  
Copeia  
Ethology  
Functional Ecology  
General and Comparative Endocrinology  
Herpetologica  
Herpetological Conservation & Biology  
Journal of Animal Ecology  
Journal of Molecular Ecology  
Journal of Zoology  
Naturwissenschaften  
New Perspectives: Toxicology and the Environment: Toxicology of Reptiles (S.C. Gardner and E. Oberdörster, eds., CRC Press)  
Proceedings of the Royal Society B  
Sinauer Associates (book proposal review)  
South American Journal of Herpetology

**Editorial Advisory Board member** of Journal of Negative Results – Ecology & Evolutionary Biology

**PROFESSIONAL SOCIETIES – past and current**

American Society of Ichthyologists and Herpetologists  
Animal Behavior Society  
Sigma Xi  
The International Society for Behavioral Ecology  
The Society for Behavioral Neuroendocrinology  
The Society for Integrative and Comparative Biology

### **SAMPLE WORKSHOPS ATTENDED**

2021 Council of Independent Colleges (CIC) Workshop for Department and Division Chairs:  
Resilient Leadership  
2020 Green Dot Training  
2019 Project Biodiversify: Inclusive and Accurate Approaches for Teaching Sex and Gender  
in Biology, University of Washington Tacoma  
2018 Difficult Issues & Hot Topics: Engaging Controversies as Learning Opportunities,  
University of Arizona  
2016 NW5C Data Curation Workshop (attended with research student)  
Funding Your Research: Strategies for Success (by Kendra Mingo, Willamette  
University)  
Academic Advisor Training  
2014 Writing Assessment Workshop, Biology Department (supported by Matt Pickard and  
Julie Nelson-Christoph)  
Teaching Writing in the Scientific and Quantitative Fields (by Jan Pechenik and the  
CWLTL)  
2012 Northwest Five Consortium (NW5C) 2012 Faculty Workshop: Collaborative Inquiry in  
Liberal Arts Education

### **STUDENTS MENTORED**

#### ***Senior Thesis Students:***

2019-2022 Marley Weiss  
2020-2021 Lohitvenkatesh Oswal (secondary advisor; primary advisor =- Mark Martin)  
2019-2021 Helena Heyer-Gray  
2019-2020 Sarah Sanz  
2019 Grace Elliott (Microscopy Image Award winner)  
Olivia Perotti  
2016-2018 Tiare Gill (Slater Museum of Natural History)  
2013-2015 Madison Cox (co-advisor; primary advisor = Mark Martin; currently PhD Candidate at  
the University of Wisconsin)  
2014-2015 Trent Neiman  
2012-2013 Jay Goldberg (2012 Research Practices Award in the Sciences, 2013 Bev Person  
Award; currently PhD candidate at Indiana University)  
Alisa Wallace (Research Associate at biotech company)  
2012 Tony Charvoz (Clinical Affairs Specialist at biotech company)  
2011-2012 Robby Brower (Guide trainer and program manager for Zion Adventure Company)  
Sabrina Duncan (Master's Candidate at the University of Munich)

- 2009-2010 Franny Gilman (secondary advisor; primary advisor= Mark Martin; PhD from University of Montana)  
Sandy Olenic (PhD candidate at Michigan State University)
- 2008-2010 Matt Dubin (Software Engineer at educational software company)
- 2008-2009 Alexa Fritzsche McKay (PhD from University of Georgia; currently Associate Editor at Nature Communications)  
Emily Mulligan (MA in Natural Science & Environmental Education from Hamline University)
- 2006-2007 LeiLani Lucas
- 2005-2007 Eileen Kennedy (MS from Bucknell University; currently a high school teacher)  
Pam Michael (PhD from University of Tasmania)

***Other Research Students and Volunteers:***

- 2021 McKenna Boulet
- 2020-2021 Alexi Ebersole
- 2019 Emily Bessen  
Spencer Moore  
Genevieve Simon
- 2018 Lucas Mulcahy (Northern Arizona University student interning at UA during my sabbatical there)  
Ana Paula Peñuñuri Gomez (Universidad de Sonora student interning at UA during my sabbatical there)  
Tucson High Magnet School students: Isabella Johnson, Miguel Gonzalez, Victoria Valenzuela  
Kathryn White
- 2016 Connie Sugawara
- 2015 Linnaea Arnett (2015 Research Practices Award in the Sciences)
- 2014-2015 Eric Schnell (EMT and ER Technician)
- 2012-2013 Nicci Condon (High school teacher)  
Liza Holtz (currently at University of Oregon's Landscape Architecture Master's program)
- 2011-2013 Vienna Saccomanno (currently at University of California at Santa Barbara's Bren School of Environmental Science and Management)
- 2011 Hillary Handler (MS from University of Minnesota; currently in PhD program at University of Minnesota)  
Anna Moeller (MS from University of Montana)
- 2009 Brittany Balbag (MS from Western Washington University)  
Drew Horsley (co-advised with Dan Burgard)  
Laura Wisdom (Masters of Environmental Studies from Evergreen State College)
- 2007 Alex Morray (owns an arboriculture business)  
Brianna Bean (Director of Operations for a medical consulting company)
- 2006-2007 Courtney Dunham
- 2005-2006 Dena Clink  
Leslie Mayer

Karen Preusch  
Corinne Taetz

***Thesis Reader:***

2019	Maxx King
2015	Corinne Straube
2014	David Ho
2012	Lisa Fazzino
	Mary Krauzer
2011	Robert Niese
2009	Caitlin Shishido
2006	Erin McCullough

***Reference for 54 students during period of last review (Fall 2012 – Fall 2017)***