Loren Merrill

ERDC-CERL

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Education and Appointments

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| 2018-Pres.  2014-2017 | ORISE Postdoctoral Researcher, ERDC-CERL, Army Corp, Champaign, IL  Postdoctoral Fellow, Illinois Natural History Survey, University of Illinois, Urbana-Champaign |
| 2012-13 | Postdoctoral Researcher, Department of Integrative Biology, Oklahoma State University |
| 2008-12 | Ph.D., Behavioral Ecology and Ecological Immunology, University of California, Santa Barbara |
| 2004-08 | M.A., Ecology, Evolution, and Marine Biology, University of California, Santa Barbara |
| 1997-01 | B.S. *Cum laude* in Natural Resources, Cornell University |

Research Interests

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| Consequences of human-altered landscapes for wildlife health  Life history, sexual signals, and defenses against parasites  Early-life stressors and phenotypic programming  Effects of climate change on development and trait plasticity |

Peer-Reviewed Publications

\*Denotes undergraduate or Master’s student author

*Available upon request*

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| In Review: | Merrill, L., S.J. Chiavacci, R.T. Paitz, & T.J. Benson. Cowbird egg resources co-vary with host nest landscape context and site-level nest-predation risk. In Revision: *Ibis* |
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| **Published or In Press:** | |
| 29.  28.  27.  26.  25. | **Merrill, L**. & J.L. Grindstaff. Early-life stress strengthens trait covariance: a plastic response that results in reduced flexibility. In Press: ***American Naturalist***  **Merrill, L**., S.J. Chiavacci, R.T. Paitz, & T.J. Benson. Quantification of 27 yolk steroid hormones in seven shrubland bird species: interspecific patterns of hormone deposition, and links to life history, development, and predation risk. In Press: ***Canadian Journal of Zoology***  **Merrill, L**. J.M. Levengood, J.C. England, J.M. Osborn, & H.M. Hagy. Blood parasite infection linked to body fat, wing length, and wing-load in spring-migrating Lesser Scaup (*Aythya affinis*). Early View: ***Canadian Journal of Zoology***   * **Featured by the *Illinois Natural History Survey***   Ospina\*, E., **L. Merrill**, & T.J. Benson. 2018. Incubation temperature impacts growth and total nest mortality in an open-cup-nesting bird. ***Ecology & Evolution*** 8:3270-3279   * **Featured by the *Illinois Natural History Survey***   **Merrill L.** 2017. Unique preening behavior may combine light and heat to facilitate ectoparasite removal in green herons (*Butorides virescens*). ***Ecology***99:494-496 doi.org/10.1002/ecy.2040 |
| 24. | **Merrill, L.,** M.F. Naylor, M. Dalimonte\*, S. McLaughlin\*, T.E. Stewart, & J.L. Grindstaff. 2017. Early-life immune activation increases song complexity and alters phenotypic associations between sexual ornaments. ***Functional Ecology*** 31:2263-2273DOI: 10.1111/1365-2435.12916   * **Featured by the *Illinois Natural History Survey*** |
| 23. | Grindstaff, J.L. & L. Merrill. 2017. Developmental corticosterone treatment does not program immune responses in zebra finches (*Taeniopygia guttata*). *Journal of Experimental Zoology A:* *Ecological and Integrative Physiology* 327:362-372. |
| 22. | Merrill, L., S.J. Chiavacci, R.T. Paitz, & T.J. Benson. 2017. Rates of parasitism, but not allocation of egg resources, vary among and within hosts of a generalist avian brood parasite. *Oecologia* 184:399-410.   * Featured by *The Wildlife Society* and the *University of* *Illinois News Bureau* |
| 21. | Merrill, L. Novel terrestrial foraging behavior in the Pied-billed Grebe (*Podilymbus podiceps*). 2017. *Wilson Journal of Ornithology* 129:416-417. |
| 20. | Ellis, V.A., M.D. Collins, M.C.I. Medeiros, E.H.R. Sari, E.D. Coffey, R.C. Dickerson, M. Joyce, C. Lugarini, J.A. Stratford, D.R. Henry, L. Merrill, A. Matthews, A. Hanson, J. Roberts, M.R. Kunkel, & R.E. Ricklefs. 2017. Parasite prevalence is positively related to the relative abundance of host species at multiple sites within a region. *Parasitology Research* 116: 73-80 |
| 19. | **Merrill, L**., E.M. Baehl\*, K.E. Ripple, & T.J. Benson. 2016. Do birds alter levels of parental investment based on nest-site habitat features? ***Ethology*** 122:859-868 |
| 18. | **Merrill, L.,** M.F. Naylor, and J.L. Grindstaff. 2016. Imperfect past and present progressive: beak color reflects early life and adult exposure to antigen. ***Behavioral Ecology*** 27:1320-1330 |
| 17. | **Merrill**, **L.,** & J.L. Grindstaff. 2015. Pre and post-natal antigen exposure can program the stress axis of adult zebra finches (*Taeniopygia guttata*): evidence for environment matching.***Brain, Behavior, and Immunity*** 45:71-79 |
| 16. | Ellis, V.A., M.D. Collins, M.C.I. Medeiros, E.H.R. Sari, E.D. Coffey, R.C. Dickerson, M. Joyce, C. Lugarini, J.A. Stratford, D.R. Henry, **L. Merrill**, A. Matthews, A. Hanson, J. Roberts, M.R. Kunkel, & R.E. Ricklefs. 2015. Local host specialization, host-switching, and dispersal shape the regional distributions of avian haemosporidian parasites. ***Proceedings of the National Academy of Science*s** 112:11294-11299 |
| 15. | **Merrill, L**., P.L. González-Gómez, V.A. Ellis, I.I. Levin,R.A. Vásquez, & J.C. Wingfield. 2015. A blurring of life-history lines: immune function, molt and reproduction in a highly stable environment. ***General and Comparative Endocrinology*** 213:65-73 |
| 14. | Ellis, V.A., S. Cornet, **L. Merrill**, M.R. Kunkel, T. Tsunekage, & R.E. Ricklefs. 2015. Host immune responses to experimental infection of *Plasmodium relictum* (lineage SGS1) in domestic canaries (*Serinus canaria*). ***Parasitology Research*** 114:3627-3636 |
| 13. | **Merrill, L.,** & P.M. Collins. 2015. Environment and sex-specific allocation strategies among gonadal, somatic and immune indices in a marine fish. ***Canadian Journal of Zoology*** 93:207-12 |
| 12. | **Merrill, L.**, T.E. Stewart\*, P.L. Gonzalez-Gomez, J.C. Wingfield, V.A. Ellis, & S.I. Rothstein. 2015. Epaulet size and current condition in red-winged blackbirds: examining a semi-static signal, testosterone, immune function, and parasites. ***Physiological and Biochemical Zoology*** 88:11-21 |
| 11. | Stewart, T.E.\*, & **L. Merrill**. 2015. Host sex and parasitism in Red-winged Blackbirds (*Agelaius phoeniceus*): examining potential causes of infection biases in a sexually dimorphic species. ***Canadian Journal of Zoology*** 93:21-29 |
| 10. | Merrill, L. & J.L. Grindstaff. 2014. Maternal antibody transfer can lead to suppression of humoral immunity in developing zebra finches (*Taeniopygia guttata*). *Physiological and Biochemical Zoology* 87: 740-751 |
| 9. | Merrill, L. 2014. *Chelydra serpentina* (Snapping Turtle). Ritualized aggressive behavior. *Herpetological Review* 45: 686 |
| 8. | Merrill, L., S.D. Levinson\*, A.L. O’Loghlen, J.C. Wingfield, & S.I. Rothstein. 2014. Bactericidal capacity is negatively linked to epaulet size, but positively linked to baseline corticosterone in male Red-winged Blackbirds (*Agelaius phoeniceus*). *The* *Auk* 131: 3-11 |
| 7. | Merrill, L., A.L. O’Loghlen, J.C. Wingfield, & S.I. Rothstein. 2013. Linking a static signal to current condition: song repertoire size, corticosterone and immunity in the Brown-headed Cowbird. *Condor* 115: 434-441 |
| 6. | Gonzalez-Gomez, P.L., L. Merrill, C. Venegas, J.I. Pantoja, R. Vasquez, V.A. Ellis, & J.C. Wingfield. 2013. Breaking down seasonality: androgen modulation and stress response in a highly stable environment. *General and Comparative Endocrinology* 191: 1-12 |
| 5. | O’Loghlen, A.L., L. Merrill, & S.I. Rothstein. 2013. Fidelity of song imitation and stability of dialect songs in Brown-headed Cowbirds (*Molothrus ater*). *Condor* 115:677-686 |
| 4. | Merrill, L., A.L. O’Loghlen, J.C. Wingfield, & S.I. Rothstein. 2013. Immune function in an avian brood parasite and its non-parasitic relative. *Physiological and Biochemical Zoology* 86: 61-72 |
| 3. | Merrill, L., F. Angelier, A.L. O’Loghlen, S.I. Rothstein, & J.C. Wingfield. 2012. Sex-specific variation in Brown-headed Cowbird (*Molothrus ater*) immunity following acute stress: a mechanistic approach. *Oecologia* 170: 25-38 |
| 2. | Ellis, V.A.\*, L. Merrill, S.I. Rothstein, A.L. O’Loghlen, & J.C. Wingfield. 2012. Physiological consequences of molt in Brown-headed Cowbirds (*Molothrus ater*). *The Auk* 129: 231-238 |
| 1. | O’Loghlen, A.L., V.A. Ellis\*, D. Zaratzian\*, L. Merrill, & S.I. Rothstein. 2011. Cultural evolution and long-term song stability in a dialect population of Brown-headed Cowbirds (*Molothrus ater*). *Condor* 113: 449-461 |

Publications in Advanced Stages of Preparation

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| In Prep | **Merrill, L**., A. Barger, R. Santymire, M. Allender, M. Haussmann, & T.J. Benson. Landscape physiology: influence of habitat and scale on nestling and adult birds. In Prep: ***Ecology Letters***  **Merrill**, **L.,** & P.M. Collins. Conditions and factors affecting growth in cultured cabezon (*Scorpaenichthys marmoratus*). In Prep: ***Journal of Fish Biology***  **Merrill, L.** The variable parasite: new insights into the trophic nature of avian brood-parasites. In Prep: ***Trends in Ecology and Evolution***  Chiavacci, S.J., **L. Merrill,** & T.J. Benson. Reproductive investment and egg composition are better predicted by surrounding land cover than nest-predation risk. In Prep: ***Oikos***  Novak, L.,L. Adamovicv, **L. Merrill**, & M. Allender. *Mycolplasma gallisepticum* surveillance in songbirds from Central Illinois, USA. In Prep: ***Journal of Wildlife Diseases***  Ospina\*, E., **L. Merrill**, R. Santymire, & T.J. Benson. Impact of incubation temperature on development of the HPA axis and immune activity in nestling American Robins. In Prep: ***Functional Ecology***  Jones, T.M., **L. Merrill,** J.D. Brawn, S.E. Zachar, A.J. Di Giovanni, & M.P. Ward. Does phenotypic variation in the Dickcissel reflect honest signaling and parasite-mediated sexual selection? In Prep: ***Auk***  Gibson, J.C., **L. Merrill**, & A.V. Suarez. Prevalence and impacts of ants colonizing active bird nests in Illinois. In Prep: ***OIkos***  Solomon, L.E., A. Celis-Marillo, M.P. Ward, **L. Merrill** & J.L. Deppe. Coastal habitat use by four species of migratory songbird at a stopover site in the northern Yucatan Peninsula, Mexico. In Prep: ***Condor*** |

Book Chapters

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| 2017 | Merrill, L. Life history, maternal effects, and parasites in cowbirds. In: Avian Brood Parasitism-Behaviour, Ecology and Coevolution. Ed. Manuel Soler. Springer Nature |

Writing for the Public

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| 2. | Merrill, L. The choosy cowbird: new research suggests our perception of cowbirds as “deadbeat moms” may need revising. Illinois Audubon. Fall 2017. |
| 1. | Merrill, L. Bird gets worm, makes history. Illinois News Bureau: Behind the Scenes. Publication date: June 19, 2017. <https://news.illinois.edu/blog/view/6367/517354> |

Research Grants and Fellowships

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| 2018 | Construction Engineering Research Laboratory 6.1 Basic Research Grant: *The impact of prenatal and postnatal stressors on phenotypic expression and environmental resilience: an integration of transcriptomics, physiology and phenotypic correlations*. Co-PIs: Brett DeGregorio, Jinelle Speary & Patrick Wolff. Invited for Full Proposal. |
| 2015 | Illinois Department of Natural Resources State Wildlife Grant: *Assessing and managing the impact of invasive woody species on shrubland birds in need of conservation*. Co-PIs: T.J. Benson, Kirk Stodola, David Zaya: **$339,929** |
| 2013 | Illinois Natural History Survey, Competitive Postdoctoral Research Fellowship: $98,000 |
| 2011 | Block Grant Fellowship, UC Santa Barbara: **$17,000 + tuition/fees** |
| 2011 | National Science Foundation Education Outreach Fellowship: **$4,000** |
| 2010 | Grant-in-Aid-of-Research, Sigma Xi. Award: **$800** |
| 2010 | Affiliates Graduate Dissertation Fellowship, UC Santa Barbara: **$6,000** |
| 2010 | National Science Foundation School for Scientific Thought Teaching Fellowship: **$4,000** |
| 2005 | Graduate Student Fee Fellowship, UC Santa Barbara: **$4,500** |
| 2004 | Block Grant Fellowship, UC Santa Barbara **$17,000 + tuition/fees** |

Awards and Honors

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| 2016 | American Ornithological Society Travel Award: **$840** |
| 2016 | Datablitz Competition Winner, Society for Integrative and Comparative Biology |
| 2011 | Worster Award for Undergraduate Research and Mentoring, UC Santa Barbara: **$3,000** |
| 2010 | Fiona Goodchild Award for Excellence as a Mentor of Undergraduate Research, UC Santa Barbara |
| 2010 | Professional Meeting Travel Award, UC Santa Barbara: **$2,500** |
| 2009 | Frank M Chapman Memorial Fund Award, American Museum of Natural History: **$2,500** |
| 2009 | American Ornithologists’ Union Research Award: **$2,000** |
| 2009 | Science and Engineering Award, UC Santa Barbara: **$2,000** |
| 2009 | Leal Ann Mertes Award, UC Santa Barbara: **$1,500** |
| 2009 | Worster Award for Undergraduate Research and Mentoring, UC Santa Barbara: **$3,000** |
| 2008 | Departmental Research Award, UC Santa Barbara **$2,000** |
| 2007 | Ralph W. Schreiber Ornithology Research Award, Los Angeles Audubon Society: **$2,500** |
| 2007 | Worster Award for Undergraduate Research and Mentoring, UC Santa Barbara: **$2,500** |
| 2006 | Ralph W. Schreiber Ornithology Research Award, Los Angeles Audubon Society: **$2,500** |
| 2006 | Exploration Fund Award, Explorer’s Club: **$2,500** |
| 2006 | Worster Award for Undergraduate Research and Mentoring, UC Santa Barbara: **$3,000** |

Teaching

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| 2016 | **Instructor:** Ornithology (IB/NRES 461), University of Illinois |
| 2015 | **Instructor:** Avian Ecology Seminar (NRES 512), University of Illinois |
| 2014 | **Instructor:** Avian Ecology Seminar (NRES 512), University of Illinois |
| 2014 | **Creator/Instructor:** Avian Conservation Physiology Veterinary Internship, University of Illinois |
| 2010-11 | **Instructor:** Ecology & Evolution of Terrestrial Vertebrates (EEMB 113), UC Santa Barbara |
| 2010-11 | **Program Coordinator:** School for Scientific Thought, UC Santa Barbara |
| 2010-11 | **Creator/Instructor:** High School Course, *Field Biology for the Future*, School for Scientific Thought, UC Santa Barbara |
| 2004-10 | **Guest Lecturer, 6 lectures:** Ecology and Evolution of Terrestrial Vertebrates (EEMB 113), Animal Communication (LING 185), UC Santa Barbara |
| 2004-10 | **Teaching Assistant, 15 quarters; Head Teaching Assistant, 7 quarters:** Ecology & Evolution of Terrestrial Vertebrates (EEMB 113), Animal Behavior (EEMB 138), Mariculture for the 21st century: research frontiers (EEMB 149) Animal Communication (LING 185), UC Santa Barbara |

Mentoring

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| **Graduate Thesis Committees:** | |
| 2016-Pres.  2015-17 | Kaity Ripple, Master’s Student, Department of Natural Resources and Environmental Sciences  Emilie Ospina, Master’s Student, Department of Natural Resources and Environmental Sciences |
| **Research Technicians:** | |
| 2014-15 | Lauren Novak, Veterinary Medicine Student, University of Illinois  Now DVM at Aurora Animal Hospital |
| 2015 | Caitlin Elkins, Biology BA, Hiram College  Now Animal Husbandry Technician at Cleveland Clinic Lerner Research Institute |
| 2015 | Tori Lima, Widlife Biology BS, University of Rhode Island  Now Herpetologist at Mystic Aquarium |
| 2015 | Andy Ondrejech, Zoology BS, Ohio State University  Now Research Assistant at Ohio State University |
| 2015 | Ohad Paris, Biology BS, William and Mary  Now MS Candidate at William and Mary |
| 2015 | Eric Peterson, Biology BS, Purdue University  Now Research Assistant at Texas Tech University |
| 2015 | Kaity Ripple, Biology BS, University of Vermont  Now MS Student at Illinois Natural History Survey |
| 2014 | Shannon Darcy, Veterinary Medicine Student, University of Illinois  Now DVM at Elmherst Animal Care Center |
| 2014 | Price Dickson, Veterinary Medicine Student, University of Illinois  Now DVM at My Pet’s Animal Hospital |
| 2014 | Morgan Helfrich, Veterinary Medicine Student, University of Illinois  Now DVM conducting internship at University of Illinois Veterinary Hospital |
| **Undergraduate Independent Projects and Honors Theses:** | |
| 2016-Pres. | Krti Tallam, Natural Resources and Environmental Sciences BS, University of Illinois |
| 2014-15 | Jason Newton, Integrative Biology BS, University of Illinois |
| 2014-15 | Elizabeth Baehl, Integrative Biology BS, University of Illinois  Now Zookeeper at Potawatomi Zoo |
| 2008-11 | Tara Stewart, College of Creative Studies Biology BA, UC Santa Barbara  Now PhD Candidate at University of Illinois |
| 2007-10 | Vincenzo Ellis, College of Creative Studies Biology BA, UC Santa Barbara  Now Postdoctoral Scholar at Lund University |
| 2010 | Caitlin Fong, College of Creative Studies Biology BA, UC Santa Barbara  Now Postdoctoral Scholar at CSU Northridge |
| 2006-08 | Samantha Levinson, College of Creative Studies Biology BA, UC Santa Barbara  Completed MS at UC Santa Barbara |
| 2006-08 | Devin Zaratzian, Ecology, Evolution, & Marine Biology BS, UC Santa Barbara  Completed MS at UC Santa Barbara |
| 2007-08 | Ryan Sadler, Ecology, Evolution, & Marine Biology BS, UC Santa Barbara  Now DVM and intern at University of Tennessee College of Veterinary Medicine |
| 2007-08 | Carey Batha, Ecology, Evolution, & Marine Biology, BS, UC Santa Barbara  Now MS working at the California Coastal Commission |
| 2006-07 | Alexandra Besser, Ecology, Evolution, & Marine Biology, BS, UC Santa Barbara  Now MD in residency at Mt. Sinai Medical Center |

Invited Seminars and Presentations

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| 2018  2017 | Biological Science, California State Long Beach, Long Beach, CA  Department of Biological Sciences, Arkansas State University, Jonesbro, AR |
| 2017 | Champaign County Audubon Society, Champaign, IL |
| 2016 | The Wildlife Society, University of Illinois, Urbana, IL |
| 2015 | Veterinary School Wildlife Disease Association, University of Illinois, Urbana, IL |
| 2015 | Department of Biological Sciences, University of Alabama, Tuscaloosa, AL |
| 2015 | Society for Integrative and Comparative Biology Conference, West Palm Beach, FL |
| 2015 | Illinois Natural History Survey, University of Illinois, Urbana, IL |
| 2014 | Department of Natural Resources and Environmental Sciences, University of Illinois, Urbana, IL |
| 2014 | School of Biological Sciences, Illinois State University, Normal, IL |
| 2014 | Department of Integrative Biology, Oklahoma State University, Stillwater, OK |
| 2014 | Prairie Research Institute, University of Illinois, Urbana, IL |
| 2012 | Department of Fishers and Wildlife, Oregon State University, Corvallis, OR |

Contributed Presentations

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| \*Denotes undergraduate/graduate student author | |
| 2018  2017 | Society for Integrative and Comparative Biology, San Franscisco, CA: co-authored presentation  American Ornithological Society, East Lansing, MI: first-authored presentation |
| 2017 | \*American Ornithological Society, East Lansing, MI: co-authored presentation |
| 2017 | \*Midwest Ecology and Evolution Conference, Urbana, IL: co-authored presentation |
| 2017 | Society for Integrative and Comparative Biology, New Orleans, LA: first-authored presentation |
| 2016 | \*American Ornithological Society, Washington, DC: co-authored presentation |
| 2016 | American Ornithological Society, Washington, DC: first-authored presentation |
| 2016 | Society for Integrative and Comparative Biology, Portland, OR: first-authored presentation |
| 2016 | \*Undergraduate Research Symposium, University of Illinois: two co-authored presentations |
| 2016 | \*Ohio Natural History Conference, Columbus, Ohio: co-authored presentation |
| 2015 | Society for Integrative and Comparative Biology, West Palm Beach, FL: first-authored presentation |
| 2015 | \*Entomological Society of America, Minneapolis, MN: co-authored presentation |
| 2014 | Society for Integrative and Comparative Biology, Austin, TX: first-authored presentation |
| 2013 | Ecology and Evolution of Infectious Disease, State College, PA: first-authored presentation |
| 2013 | Animal Behavior Society, Boulder, CO: first-authored presentation |
| 2013 | Society for Integrative and Comparative Biology, San Francisco, CA: first-authored presentation |
| 2012 | Society for Integrative and Comparative Biology, Charleston, SC: first-authored presentation |
| 2011 | Animal Behavior Society, Bloomington, IN: first-authored presentation |
| 2011 | Society for Integrative and Comparative Biology, Salt Lake City, UT: first-authored presentation |
| 2010 | International Society for Behavioral Ecology, Perth, Australia: first-authored presentation |
| 2010 | Society for Integrative and Comparative Biology, Seattle, WA: first-authored presentation |
| 2009 | American Ornithological Society, Philadelphia, PA: first-authored presentation |
| 2009 | Society for Integrative and Comparative Biology, Boston, MA: first-authored presentation |
| 2008 | International Society for Behavioral Ecology, Ithaca, NY: first-authored presentation |
| 2008 | Graduate Student Symposium, UC Santa Barbara, Santa Barbara, CA: first-authored presentation |
| 2007 | Animal Behavior Society, Burlington, VT: first-authored presentation |
| 2007 | Western Society of Naturalists, Ventura, CA: first-authored presentation |
| 2007 | Southern California Animal Behavior Society, Santa Barbara, CA: first-authored presentation |
| 2006 | Graduate Student Symposium, UC Santa Barbara, Santa Barbara, CA: first-authored presentation |

Professional Service

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| |  |  | | --- | --- | | **National:** | | | 2015-16 | Student Presentation Head Judge, Division of Ecological Immunology and Disease Ecology, Society for Integrative and Comparative Biology | | 2010-11  2005 | Awards Committee Member, American Ornithologists’ Union  Organizational Committee Member, American Ornithologists’ Union | | **University:** | | | 2016 | Contributing author, *INHS Reports*, Illinois Natural History Survey | | 2016 | Selection Committee, Philip K. Smith Memorial Fund Award, University of Illinois | | 2015 | Editor/contributor, Illinois Bird ID cards, Illinois Natural History Survey | | 2014 | Search Committee, Biological Surveys Coordinator, Illinois Natural History Survey | | 2012 | Judge, Karen L. Smith Undergraduate Research Symposium, Oklahoma State University | | 2006 | Chair, Graduate Student Advisory Committee, UC Santa Barbara | | 2006 | Member, Graduate Student Advisory Committee, UC Santa Barbara | | 2005 | Graduate Student Events Coordinator, UC Santa Barbara | | 2005 | Member, Graduate Student Advisory Committee, UC Santa Barbara | |

Outreach and Service to the Community

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| |  |  | | --- | --- | | 2018  2016 | Invited speaker, Girls Explore Biology Summer Camp, Champaign, IL  Contributing photographer, Bird Identification App, UC Santa Barbara | | 2016 | Contributing photographer, Bird Identification Guide, Crocodile Research Coalition, Belize | | 2016 | Participant, Audubon Breeding Bird Survey, Urbana, IL | | 2015 | Invited speaker, Girls Explore Biology Summer Camp, Champaign, IL | | 2014 | Invited speaker, University Primary School, Champaign, IL | | 2014 | Invited speaker, Girls Explore Biology Summer Camp, Champaign, IL | | 2014 | Participant, Audubon Breeding Bird Survey, Urbana, IL | | 2012 | Participant, Audubon Christmas Bird Count, Biddeford, ME | | 2009 | Instructor, Kids in Nature Outreach Program, UC Santa Barbara | | 2008 | Produced informational video on conducting research for 7th grade students, Santa Barbara, CA | | 1996-07 | Advisory Committee, Maine Coast Semester Program, Chewonki Foundation, Wiscasset, ME | | 1996-07 | Honorary Member, Board of Trustees, Chewonki Foundation, Wiscasset, ME | | 2001 | Participant, Audubon Breeding Bird Survey, Biddefored, ME | | 1998 | Participant, Audubon Breeding Bird Survey, Biddeford, ME | |

Peer Review

Manuscript reviewer for: *Biology Letters, Biological Reviews, Journal of Animal Ecology, Hormones and Behavior, Animal Behaviour, Behavioral Ecology and Sociobiology, PLOS One, Journal of Applied Ecology, Functional Ecology, Journal of Experimental Biology, Physiological and Biochemical Zoology, Acta Ethologica, Ecosphere, Journal of Avian Biology, Canadian Journal of Zoology, Condor, Wilson Journal of Ornithology, Journal of Wildlife Management and Wildlife Monographs, Urban Forestry and Urban Greening, Journal of Wildlife Diseases, General and Comparative Endocrinology*

Membership in Professional Societies

American Ornithologist’s Society

Animal Behavior Society

Illinois Ornithological Society

International Society for Behavioral Ecology

Sigma Xi

Society for Integrative and Comparative Biology

Western Society of Naturalists

References

Thomas J. Benson, Senior Wildlife Ecologist, Illinois Natural History Survey, Adjunct Assistant Professor, University of Illinois, 1816 S. Oak Street, Champaign, IL 61820, tjbenson@illinois.edu, 217-265-6242

Jennifer Grindstaff, Associate Professor, Department of Integrative Biology, Oklahoma State University, 501 Life Sciences West, Stillwater, OK, 74078, jen.grindstaff@okstate.edu, 405-744-9679

Stephen Rothstein, Research Professor, Department of Ecology, Evolution, and Marine Biology, University of California, Santa Barbara, CA 93106, rothstei@lifesci.ucsb.edu, 805-893-2834

Jeffrey D. Brawn, Professor, Natural Resources and Environmental Sciences, University of Illinois, 1102 S. Goodwin, Urbana, IL 61801, jbrawn@illinois.edu, 217-244-5937

Mike Ward, Associate Professor, Natural Resources and Environmental Sciences, University of Illinois, 1102 S. Goodwin, Urbana, IL 61801, mpward@illinois.edu, 217-244-4089