

**M. Caitlin Fisher-Reid**

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Assistant Professor

Department of Biological Sciences

Bridgewater State University

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**EDUCATION**

**Doctorate of Philosophy in Ecology and Evolution, August 2012.**

Department of Ecology and Evolution

Stony Brook University, Stony Brook, NY.

Dissertation: *Speciation, ecological divergence, and phylogeny in plethodontid salamanders*

Advisor: Dr. John J. Wiens.

**Bachelor of Science in Biology; Minor: Internet Studies, May 2005.**

Brandeis University, Waltham, MA.

Advisor: Dr. Dan L. Perlman.

**PROFESSIONAL EXPERIENCE**

**Assistant Professor of Biological Sciences, September 2014 – present**

Department of Biological Sciences

Bridgewater State University, Bridgewater, MA.

**Adjunct Lecturer of Field Herpetology, June 2014 – July 2014**

Mountain Lake Biological Station, Pembroke, VA

University of Virginia, Charlottesville, VA.

**Visiting Lecturer of Ecology and Evolutionary Biology, August 2012 – May 2014.**

Department of Biology

University of Richmond, Richmond, VA.

**TEACHING INTERESTS**

evolution, Darwinian medicine, animal behavior, conservation genetics, ecology, field biology, molecular ecology, herpetology, and ichthyology.

**RESEARCH INTERESTS**

speciation, phylogenetics, sexual selection, animal behavior, population genetics, conservation.

**TEACHING EXPERIENCE**

*Instructor*, Bridgewater State University, Department of Biological Sciences

**BIOL 199:** *Seeing the Forest for the Trees*. Fall 2017.

**BIOL 225:** *General Ecology (with lab)*. Fall semesters, 2014 – present.

**BIOL 329:** *Winter Ecology Lab*. January Intersession 2018.

**BIOL 340:** *Darwinian Medicine*. Fall 2016, Spring 2018.

**BIOL 372:** *Behavioral Ecology*. Fall 2017.

**BIOL 396:** *Research Problems in Biology*. Spring semesters, 2015 – present; Summers, 2015 – present; Fall semesters, 2016 – present.

**BIOL 422:** *Biological Evolution*. Spring semesters, 2015 – present

**BIOL 424:** *Molecular Ecology (with lab)*. Spring semesters, 2015 – present

**BIOL 485:** *Honors Thesis*. Fall 2016; Spring 2017

**BIOL 497:** *Undergraduate Biological Research*. Fall 2015.

*Instructor*, University of Virginia, Mountain Lake Biological Station.

**BIOL 4754/7754:** *Field Herpetology*. Summer 2014.

*Instructor*, University of Richmond, Department of Biology.

**BIOL 114:** *Introduction to Animal Behavior (with lab)*. Spring 2013.

**BIOL 207:** *Ecology (with lab)*. Fall 2012, Fall 2013.

**BIOL 225:** *Evolution (with lab)*. Spring 2014.

**BIOL 344:** *Behavioral Ecology (with lab)*. Spring 2013, Spring 2014.

*Instructor*, Stony Brook University, Undergraduate Biology.

**BIO 354:** *Evolution*. Summer 2009.

**BIO 359:** *Behavioral Ecology*, co-instructor with Jessie Knowlton. Spring 2010.

**BIO 359:** *Behavioral Ecology*. Summer 2011.

**BIO 367/BEE567:** *Molecular Diversity Laboratory*, co-instructor with John R. True and Jackie Collier. Fall 2010.

*Course Coordinator*, Stony Brook University, Undergraduate Biology

**BIO 205:** *Fundamentals of Scientific Inquiry*, Assisted faculty in managing a lab course for 800+ students; filming and producing course podcasts; other activities related to course administration. Spring 2009.

*Teaching Assistant*, Stony Brook University, Undergraduate Biology.

**BIO 150:** *The Living World*. Fall 2006.

**BIO 205:** *Fundamentals of Scientific Inquiry*. Spring 2011.

**BIO 344:** *Chordate Zoology Lab*. Spring 2008.

**BIO 348:** *The Diversity and Evolution of Reptiles and Amphibians*. Spring 2007.

**BIO 350:** *Darwinian Medicine*. Fall 2011.

**BIO 354:** *Evolution*. Fall 2007, Fall 2008.

*Lab Manual Development, Product Design*, Stony Brook University, Undergraduate Biology.

**BIO 204 & 205:** *Fundamentals of Scientific Inquiry*. Summer, Fall 2009.

*Guest Lecturer*, Stony Brook University, Undergraduate Biology

**SSO 102:** *Drugs For The 21<sup>st</sup> Century*, lead freshmen seminar students on a nature walk to discuss medicinal properties of local flora. Spring semesters 2007, 2008, 2013, 2014, 2015, 2016.

*Teaching Assistant*, Brandeis University, Undergraduate Biology.

**BIOL 32a:** *Field Biology*. Fall 2004.

## PEER-REVIEWED PUBLICATIONS

**Fisher-Reid, M. C.** and J. J. Wiens. 2015. Is geographic variation within species related to macroevolutionary patterns between species? *Journal of Evolutionary Biology* 28:1502–1515.

Cahill, A. E., M. E. Aiello-Lammens (the first two authors contributed equally), **M. C. Fisher-Reid**, X. Hua, C. Karanewsky, H. Y. Ryu, G. Sbeglia, F. Spagnolo, J. Waldron, and J. J. Wiens. 2014. Causes of warm-edge range limits: systematic review, proximate factors, and implications for climate change. *Journal of Biogeography* 41: 429–442.

**Fisher-Reid, M. C.**, T. N. Engstrom, C. A. Kuczynski, P. R. Stephens, and J. J. Wiens. 2013. Parapatric divergence of sympatric morphs in a salamander: incipient speciation on Long Island? *Molecular Ecology* 22:4681–4694.

Cahill, A. E., M. E. Aiello-Lammens (the first two authors contributed equally), **M. C. Fisher-Reid**, X. Hua, C. Karanewsky, H. Y. Ryu, G. Sbeglia, F. Spagnolo, J. Waldron, O. Warsi, and J. J. Wiens. 2013. How does climate change cause extinction? *Proceedings of the Royal Society of London B* 280: 20121890.

\*\*\*Cover article, picked up by many general news outlets (including The Guardian (UK), Daily Mail (UK), MSN News (UK), YahooNews (UK), Business Insider), science news websites (including ScienceDaily, physorg, Royal Society Website, EarthTimes, and SciTechDaily), and climate change and environmental websites and blogs.\*\*\*

**Fisher-Reid, M. C.**, K. H. Kozak, and J. J. Wiens. 2012. How is the rate of climatic-niche evolution related to climatic-niche breadth? *Evolution* 66:3836–3851.

**Fisher-Reid, M. C.**, and J. J. Wiens. 2011. What are the consequences of combining nuclear and mitochondrial data for phylogenetic analysis? Lessons from *Plethodon* salamanders and 13 other vertebrate clades. *BMC Evolutionary Biology* 11:300.

\*\*\*Published 10/13/11, listed as **Highly Accessed** on 10/27/11\*\*\*

## OTHER PUBLICATIONS

Jahoda, J. C., K. D. Curry, C. P. Bloch, and **M. C. Fisher-Reid**. 2016. A case study approach to ecology field studies. 5<sup>th</sup> Ed. Dubuque: Kendall Hunt Publishing Company.

**Fisher-Reid, M. C.** 2016. Book Review: Genetics for everyone. *Bridgewater Review* 35(2):35-36.

## CONFERENCE PRESENTATIONS AND POSTERS (\* indicates undergraduate author; † indicates presenter)

Fossella, M.\*† and **M. C. Fisher-Reid**. Distribution of *Plethodon cinereus* color morphs in New England: 40 years later. Contributed oral presentation. Northeast Natural History Conference. 2017. Cromwell, CT.

Tucker, M.\*† and **M. C. Fisher-Reid**. Effects of habitat fragmentation on the population genetics of *Plethodon cinereus*. Contributed oral presentation. Northeast Natural History Conference. 2017. Cromwell, CT.

Back, A.\*† M. Fossella,\* and **M. C. Fisher-Reid**. Distribution of *Plethodon cinereus* color morphs in Massachusetts: 40 years later. Contributed poster presentation. Northeast Partners

- in Amphibians and Reptile Conservation Annual Meeting. 2016. Poultney, VT.
- Pierce, N.,\*† M. Tucker,\*† and **M. C. Fisher-Reid**. Effects of habitat fragmentation on the population genetics of *Plethodon cinereus*. Contributed poster presentation. Northeast Partners in Amphibians and Reptile Conservation Annual Meeting. 2016. Poultney, VT.
- Pierce, N.,\*† A. Back,\*† M. Fossella,\*† M. Tucker,\*† and **M. C. Fisher-Reid**. Preliminary monitoring of terrestrial amphibians in southeastern Massachusetts. Contributed poster presentation. Northeast Natural History Conference. 2016. Springfield, MA.
- Ribeiro, R.\*† and **M. C. Fisher-Reid**. Are terrestrial salamanders impacted by soil salinity? A pilot study. Contributed poster presentation. Northeast Natural History Conference. 2016. Springfield, MA.
- Fisher-Reid, M. C.**† and J. J. Wiens. How is geographic variation within species related to macroevolutionary patterns between species? Contributed oral presentation. Evolution Conference. 2014. Raleigh, NC.
- Fisher-Reid, M. C.**†, T. N. Engstrom, C. A. Kuczynski, P. R. Stephens, and J. J. Wiens. Parapatric divergence of sympatric morphs in a salamander: incipient speciation on Long Island? Contributed oral presentation. 1<sup>st</sup> Joint Congress on Evolutionary Biology. 2012. Ottawa, ON, Canada.
- Fisher-Reid, M. C.**† and J. J. Wiens. A multi-locus phylogeny of genus *Plethodon* (Caudata: Plethodontidae). Contributed oral presentation. Joint Meeting of Ichthyologists and Herpetologists. 2010. Providence, RI.

#### **INVITED TALKS and DISCUSSION PANELS**

- Stony Brook University**. Discussion Panel: New student orientation teaching assistant workshop. August 2010.
- University of Richmond**. Research Seminar. Department of Biology. March 2012.
- Emory University**. Research Seminar. Department of Biology. May 2012.
- University of Virginia**. Research Seminar. Mountain Lake Biological Station. June 2013.
- Bridgewater State University**. Research Seminars. Department of Biological Sciences. December 2013; October 2014.
- Bridgewater State University**. Introduction to Darwin Day. Department of Biological Sciences. February 2015.
- Northeast Natural History Conference**. Discussion Panel: Publishing your work. April 2016.
- University of New Hampshire**. Research Seminar. Department of Biological Sciences. March 2017.
- Bridgewater State University**. Discussion Panel: Scientists in society. April 2017.
- Bridgewater State University**. Research Seminar. Center for the Advancement of Research and Scholarship, April 2017.
- Bridgewater State University**. Keynote Address. Greenlight4girls. April 2017.
- Bridgewater State University**. Discussion Panel: Animal Research at BSU. Center for the Advancement of Research and Scholarship May Celebration. May 2017.

**Michigan State University.** Teaching Seminar. Avida-ED Workshop. July 2017.  
**Plimoth Plantation.** Research Seminar. Lunch and Learn Lecture Series. August 2017.

## **MENTORING**

### ***Ten undergraduate research students mentored at Bridgewater State University***

*Elena Babicz* – 1/2017 – present. Funded by ATP Semester Group Grants for supplies \$525 (Spring 2017) and \$350 (Summer 2017). Funded by ATP Semester Individual Grant for supplies \$300 (Fall 2017).

*Anna Back* – 5/2015 – 8/2016. Funded by ATP Semester Individual Grant for supplies \$300 (Fall 2015, Spring 2016). Funded by ATP Summer Grant of \$4000 + \$325 for supplies (Summer 2016). Currently finishing bachelor's degree in Social Work

*Alexandrea Carreiro* – 1/2015 – 6/2015. Funded by ATP Individual Semester Grant for supplies \$300 (Spring 2015). Currently employed by Taunton Public Schools, Taunton, MA.

*Sarah Couto* – 5/2016 – present. Funded by ATP Semester Individual Grant for supplies \$300 (Fall 2016; Fall 2017). Funded by ATP Semester Group Grant for supplies \$525 (Spring 2017).

*Mariah Fossella* – 1/2015 – present. Funded by ATP Semester Individual Grant for supplies \$300 (Spring 2015, Fall 2015, Fall 2016; Fall 2017). Funded by ATP Summer Grant of \$4000 + \$325 for supplies (Summer 2016).

*Nicholas Hathaway* – 1/2016 – 5/2016. Funded by ATP Semester Individual Grant for supplies \$300 (Spring 2016). Co-mentored by Dr. Christopher Bloch. Currently enrolled in MA degree program at Smith College, Northampton, MA.

*Emma Perry* – 9/2016 – present. Funded by ATP Semester Individual Grant for supplies \$300 (Fall 2016; Fall 2017). Funded by ATP Semester Group Grant for supplies \$525 (Spring 2017) and \$350 (Summer 2017).

*Nathan Pierce* – 1/2015 – 12/2016. Funded by ATP Semester Individual Grant for supplies \$300 (Spring 2015, Fall 2015, Spring 2016, Fall 2016). Funded by ATP Summer Grant of \$4000 + \$325 for supplies (Summer 2016). Currently employed by Thermo-Fisher, Los Angeles, CA.

*Rayssa Ribeiro* – 5/2015 – 5/2016. Funded by ATP Semester Individual Grant for supplies \$300 (Fall 2015, Spring 2016). Currently employed by Azzur Consulting, Cambridge, MA.

*Matthew Tucker* – 9/2015 – present. Funded by ATP Semester Individual Grant for supplies \$300 (Fall 2015, Spring 2016, Fall 2016; Fall 2017). Funded by ATP Summer Grant of \$4000 + \$325 for supplies (Summer 2016).

### ***20 undergraduate research students mentored at Stony Brook University***

2009 – 2010. *Gloria Cheang*. Received 6 credits for two semesters of field and molecular lab work.

2009. *Bryant Meythaler*. Received 3 credits for one semester of molecular lab work.

2010. *Fedora Ferrao*. Received 3 credits for one semester of computer work analyzing phylogenies.

2011. *Staci Woytash*. Received 3 credits for one semester of field and computer work.

2009 – 2011. *16 other undergraduates*. Students served as volunteer lab and field assistants.

***Mentor for undergraduate honors thesis, Bridgewater State University***

2017. *Mariah Fossella*. Distribution of *Plethodon cinereus* color morphs in New England: 40 years later. (Committee: Dr. Kenneth Adams and Dr. Christopher Bloch)
2017. *Matthew Tucker*. Effects of habitat fragmentation on the population genetics of *Plethodon cinereus*. (Committee: Dr. Christopher Bloch and Dr. Jonathan Roling)

***Committee member for undergraduate honors thesis, Bridgewater State University***

2015. *Nara F. Nascimento*. The Effects of Running Wheel Access on the Symptoms of Type-2 Diabetes in TallyHo/JngJ Mice (Mentor: Dr. Joseph Seggio).
2017. *Mikayla Cote*. (Mentor: Dr. Jenna Mendell).
2017. *Rachel Gelineau*. Combined consumption of alcohol and a high-fat diet: effects on behavior and health in male and female C57Bl/6J mice (Mentor: Dr. Joseph Seggio).
2017. *Michelle Jennette*. High Fructose Corn Syrup Down-Regulates Glycolysis Pathway in *Apis mellifera* (Mentor: Dr. Jonathan Roling).

***Student Presentations at Bridgewater State University***

2017. *Elena Babicz, Sarah Couto, Emma Perry*. BSU Joins SPARCnet: The Salamander Population and Adaptation Research Collaboration Network. Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.
2017. *Mariah Fossella*. Distribution of *Plethodon cinereus* color morphs in New England: 40 years later. Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.
2017. *Matthew Tucker*. Effects of habitat fragmentation on the population genetics of *Plethodon cinereus*. Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.
2016. *Anna Back and Mariah Fossella*. Distribution of *Plethodon cinereus* color morphs in Massachusetts: 40 years later. Friday Informal Seminar Hour. 2016. Bridgewater State University. *Oral presentation*.
2016. *Nathan Pierce and Matthew Tucker*. Effects of habitat fragmentation on the population genetics of *Plethodon cinereus*. Friday Informal Seminar Hour. 2016. Bridgewater State University. *Oral presentation*.
2016. *Anna Back and Mariah Fossella*. Distribution of *Plethodon cinereus* color morphs in Massachusetts: 40 years later. ATP Summer Symposium. 2016. Bridgewater State University. *Poster presentation*.
2016. *Nathan Pierce and Matthew Tucker*. Effects of habitat fragmentation on the population genetics of *Plethodon cinereus*. ATP Summer Symposium. 2016. Bridgewater State University. *Poster presentation*.
2016. *Anna Back*. Does Soil Moisture Influence Morph Frequency in *Plethodon cinereus*? Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.
2016. *Mariah Fossella*. Adult *P. cinereus* Territoriality of Artificial Cover Objects. Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.
2016. *Rayssa Ribeiro*. Are Terrestrial Salamanders Impacted by Soil Salinity? A Pilot Study. Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.

2016. *Nathan Pierce*. Cover Object Preference and its Effect on Color Morph Frequencies in *Plethodon cinereus*. Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.
2016. *Matthew Tucker*. Responses of *Plethodon cinereus* to Differences in pH and Temperature of Soil. Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.
2015. *Alexandrea Carreiro*. A review of ecological differences between two morphs of the eastern red-backed salamander, *Plethodon cinereus*. Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.
2015. *Mariah Fossella*. A review of *Plethodon cinereus* distribution based on forest characteristics. Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.
2015. *Nathan Pierce*. How will *Plethodon cinereus* be affected by habitat change? A review of the literature. Student Arts and Research Symposium (StARS), Bridgewater State University. *Poster presentation*.
2010. *Gloria Cheang*. Evolution and ecology of *Plethodon cinereus* color morphs on Long Island. Undergraduate Research and Creative Activities (URECA) Spring Symposium, Stony Brook University. *Poster presentation*.

#### **GRANTS, FELLOWSHIPS, AWARDS – IN PREPARATION**

*Collaborative Research: Applying the CURE model to build connected classrooms for investigations across biological inquiry levels using the Eastern Red-backed Salamander*  
National Science Foundation – Division of Undergraduate Education, Improving Undergraduate STEM Education Program. PI along with colleagues at Michigan State University, Pennsylvania State University, University of Massachusetts Amherst, and University of Richmond. In preparation for December 2017 submission.

#### **GRANTS, FELLOWSHIPS, AWARDS – FUNDED**

*Travel Grant* for attending the 2017 NENHC in Cromwell CT. Center for the Advancement of Research and Scholarship, Bridgewater State University. 2017. \$500.

*Avida-ED Active LENS Workshop For Faculty* awarded to M. Caitlin Fisher-Reid and Maria Armour to attend workshop at Michigan State University's BEACON Center to learn how to use education software, Avida-ED. 2016. All travel, lodging, and meals covered by NSF funds to BEACON Center from June 9–11, 2016. \*\*\*MCFR invited to return for full July 2017 workshop as 2016 alumna. All travel, lodging, and meals covered by NSF funds to BEACON Center from July 26–30, 2017\*\*\*

*Travel Grant* for attending the 2016 NENHC in Springfield MA. Center for the Advancement of Research and Scholarship, Bridgewater State University. 2016. \$500.

*Faculty and Librarian Research Grant* to purchase start up equipment needed to join SPARCnet: The Salamander Population and Adaptation Research Collaborative Network. Center for the Advancement of Research and Scholarship, Bridgewater State University. \$8000.

*Darwin Day @ BSU* grant for new initiatives awarded to M. Caitlin Fisher-Reid, Maria Armour, and Thilina Surasinghe to establish annual Darwin Day celebration. Center for the Advancement of STEM Education, Bridgewater State University. \$5000

- Teacher Creativity Fellowship* awarded to Carrie A. Bilodeau, M. Caitlin Fisher-Reid served as expert evolutionary biologist on two-week trip to the Galápagos Islands. Lilly Endowment, Inc. 2015. \$10,000.
- Travel Grant* for attending the 2015 NENHC in Springfield MA. Center for the Advancement of Research and Scholarship, Bridgewater State University. 2015. \$750.
- Mountain Lake Biological Station Early Career Fellowship*, for summer research station and laboratory fees, Mountain Lake Biological Station, University of Virginia. 2013. \$1650.
- Outstanding Teaching Assistant Award*, Department of Ecology and Evolution, Stony Brook University. 2012.
- President's Award for Excellence in Teaching by a Graduate Student*, Graduate School, Stony Brook University. Annual award to six graduate students across campus to recognize excellence in teaching. 2011. \$500.
- Alumni Association Dean's Choice Award*, Graduate School, Stony Brook University, First recipient of a new annual award to one graduate student across campus to promote alumni relations and to assist in completion of the graduate degree. 2011. \$1000.
- American Society of Ichthyologists and Herpetologists Travel Award* to attend 2010 Joint Meetings of Ichthyologists and Herpetologists, American Society of Ichthyologists and Herpetologists. 2010. \$300.
- Gaige Award* for proposed research expenses, American Society of Ichthyologists and Herpetologists. 2010. \$500.
- Conservation Leadership Award* for activism regarding hotel construction on Stony Brook University campus, First recipient, Department of Ecology and Evolution, Stony Brook University. 2010.
- George C. Williams Award* for proposed research expenses, Department of Ecology and Evolution, Stony Brook University. 2010. \$500.
- Course Coordinator* stipend supplement, Department of Undergraduate Biology, Stony Brook University. 2009. \$3000.

#### **GRANTS, FELLOWSHIPS, AWARDS – NOT FUNDED**

- Preliminary Proposal: RUI: Long-term impacts of an invasive intertidal predator: invasion history, genetic structure, and self-limitation*, National Science Foundation – Division of Environmental Biology, Population and Community Ecology Program. Submitted 1/2016. Co-PI along with Drs. Christopher Bloch (PI) and Kevin Curry (Co-PI). Not invited for full proposal, 5/2016.
- Daniel J. Smith Award* to support summer research, Bartlett College of Science and Mathematics, Bridgewater State University. Applied 5/2015 and 5/2017, not selected for award either year.
- Preliminary Proposal: RUI: Invasion history and prey depletion by an invasive intertidal predator: effects on abundance, fecundity, and ecological impacts*, National Science Foundation – Division of Environmental Biology, Population and Community Ecology Program. Submitted 1/2017. Co-PI along with Drs. Christopher Bloch (PI) and Kevin Curry (Co-PI). Not invited for full proposal, 5/2017.
- Collaborative Research: Applying the CURE model to build connected classrooms for investigations across biological inquiry levels using the Eastern Red-backed Salamander* National Science Foundation – Division of Undergraduate Education, Improving Undergraduate STEM Education Program. PI along with colleagues at Michigan State



University, Pennsylvania State University, University of Massachusetts Amherst, and University of Richmond. Not funded, 6/2017

## **INSTITUTIONAL SERVICE**

### ***Bridgewater State University***

Member. Academic Integrity Working Group, 2014 – 2015.

Member. Academic Policy Committee, 2016 – present.

Round-Table Leader. Office of Teaching and Learning Part-Time Faculty Development Program, Spring 2017.

### ***Bartlett College of Science and Mathematics, Bridgewater State University***

Education Liaison. CAEP Assessments, 2015 – present.

Faculty Mentor. Women in Science Residential Learning Community, 2016 – present.

### ***Department of Biological Sciences, Bridgewater State University***

Member. Wildlife Ecologist Search Committee, 2014.

Academic advisor for

- 32 students, Fall 2014;
- 44 students, Spring 2015;
- 33 students, Fall 2015;
- 36 students, Spring 2016;
- 38 students, Fall 2016;
- 38 students, Spring 2017

Chair. Darwin Day @ BSU committee. 2015 – present.

Co-coordinator. Friday Informal Seminar Hour (FISH). 2016 – present.

## **SERVICE TO THE SCIENTIFIC COMMUNITY**

### ***Reviewer***

Book chapters: Animal Behavior: Concepts, Methods, and Applications (2013; Oxford University Press, by Nordell and Valone). 2011.

Book chapters: Evolution: Making Sense of Life (2<sup>nd</sup> edition; Roberts and Company Publishers, by Zimmer and Emlen). 2014.

Book chapters: Ecology: A Unified Approach (forthcoming; Oxford University Press, by Stevens). 2015.

Marketing Review: Ecology: Evolution, Applications, Integration (1<sup>st</sup> edition; Oxford University Press, by Krohne). 2015.

Book chapters: Introductory Ecology (forthcoming; Oxford University Press, by Fox). 2016.

Book chapters: Constructing Ecology (forthcoming; W.W. Norton & Company, by Paradise). 2016.

Online supplements: Ecology: Evolution, Applications, Integration (1<sup>st</sup> edition; Oxford University Press, by Krohne). 2017.

Ad-hoc reviewer for manuscripts submitted to: *Amphibia-Reptila* (1), *Copeia* (2), *Ecography* (1), *Ecology and Evolution* (1), *Journal of Heredity* (1), *Journal of Insect Science* (1), *Journal of Zoological Systematics and Evolutionary Research* (1), *Molecular Ecology* (1), *Teaching Issues and Experiments in Ecology* (1), *The Open Ecology Journal* (1).

Reviewer of graduate student research proposals submitted to the Herpetologist's League for the 2017 E.E. Williams Award. 2017.

***Other Academic and Professional Activities***

- 2017 **Attendee.**  
Salamander Population and Adaptation Research Collaboration Network Meeting,  
Petersham, MA.
- 2017 **Photography contributor.**  
Book of Snakes, by Mark O'Shea, forthcoming, Ivy Press and University of Chicago  
Press.
- 2017 **Attendee.**  
North East Natural History Conference (NENHC), Cromwell, CT.
- 2016 **Photography contributor.**  
*Hidden Talent: Photography*, Center for the Advancement of Research and Scholarship  
May Celebration, Bridgewater State University, Bridgewater, MA.
- 2016 **Photography contributor.**  
A case study approach to ecology field studies, by Jahoda et al. Kendall Hunt Publishing  
Company
- 2016 **Photography contributor.**  
Wetland Plants of New England, by Donald J. Padgett, Spatterdock Press.
- 2016 **Attendee.**  
Northeast Partners in Amphibian and Reptile Conservation (NEPARC), Poultney, VT.
- 2016 **Attendee.**  
North East Natural History Conference (NENHC), Springfield, MA.
- 2015 **Attendee.**  
Northeast Partners in Amphibian and Reptile Conservation (NEPARC), Greenwich, RI.
- 2015 **Attendee.**  
North East Natural History Conference (NENHC), Springfield, MA.
- 2015 – present. **Member.** The Salamander Population and Adaptation Research Collaborative  
Network (SPARCnet)
- 2014 **Photography contributor.**  
American Spirit Magazine, "The Women of Laura Plantation," March/April 2014 Issue.
- 2013 **Attendee.**  
Southeastern Population Ecology and Evolutionary Genetics (SEPEEG).
- 2011 **Tattoo Contributor.**  
*Science Ink: Tattoos of the Science Obsessed*, by Carl Zimmer.
- 2010 **Student Representative for Graduate Student Preliminary Exam Committee.**  
Department of Ecology and Evolution. Stony Brook University.
- 2008 – 2011 **Audio/Visual Committee Chair for Annual Departmental Retreat**  
Department of Ecology and Evolution. Stony Brook University.
- 2006 – 2012 **Information Booth Volunteer for Stony Brook University's Annual Darwin  
Day Celebration**  
Department of Ecology and Evolution, Stony Brook University.
- 2006 **Audio/Visual Volunteer Evolution Meetings 2006**  
Department of Ecology and Evolution/Society for the Study of Evolution. Stony Brook  
University.

**PROFESSIONAL AFFILIATIONS**

American Society of Ichthyologists and Herpetologists

Herpetologists' League

National Center for Science Education (sustaining member)

Northeastern Naturalist

Society for the Study of Amphibians and Reptiles

Society for the Study of Evolution