April 6, 2021

CURRICULUM VITAE

Joel W. McGlothlin

Associate Professor
Department of Biological Sciences
Virginia Tech

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Education

2007 **Ph.D., Evolution, Ecology, and Behavior**, Indiana University, Biology
Dissertation: Phenotypic integration of sexually selected traits in a songbird (Ellen D. Ketterson, advisor)

2001 **B.A. (*summa cum laude*), Biology (Honors)**, Vanderbilt University, Biology
Honors thesis: Investigations of gene flow using molecular markers in the white campion, *Silene alba* (David E. McCauley, advisor)

Appointments

2018- **Associate Professor**, Virginia Tech, Dept. of Biological Sciences
2012-18 **Assistant Professor**, Virginia Tech, Dept. of Biological Sciences
2011-12 **Research Scientist**, University of Virginia, Dept. of Biology
2007-11 **Research Associate**, University of Virginia, Dept. of Biology
(Edmund D. Brodie III, advisor)

Honors and Awards

2011 Theodosius Dobzhansky Prize, Society for the Study of Evolution
2010 Jasper Loftus-Hills Young Investigators Award, American Society of Naturalists
2005-07 NSF Doctoral Dissertation Improvement Grant
NIH Research Trainee: "Common Themes in Reproductive Diversity"
2005 Fellow, Center for the Integrative Study of Animal Behavior (CISAB)
Louis Agassiz Fuertes Award, Wilson Ornithological Society
2001-05 Fellow, NSF Graduate Research Fellowship Program
2001 Founder's Medal for First Honors, Vanderbilt University

Research Funding

2018-22 National Science Foundation, "Intrinsic and Extrinsic Factors Modulating the Shift from Paternal Care to Filial Cannibalism" (co-PI with PI William Hopkins and co-PI Richard Helm, IOS 1755055, $738,817 total, $90,254 to McGlothlin lab)

2015-21 National Science Foundation, "Parallel Evolution of a Gene Family in Two Vertebrate Radiations" (PI, DEB 1457463, $670,562)
2015-16 National Science Foundation, "MEETING: Evolutionary Endocrinology: Hormones as Mediators of Evolutionary Phenomena (SICB Symposium, January 5, 2016 in Portland, OR)" (Co-PI with Robert Cox & Frances Bonier, IOS 1539936, $14,680)
2009 University of Virginia, Centers and Lab Union Technology Grant ($949)
2005-07 National Science Foundation, "Dissertation Research: Phenotypic integration of adaptive traits in *Junco hyemalis*" (Co-PI with Ellen Ketterson, DEB 0508692, $11,783)
2005 Indiana University, Graduate School Grant in Aid ($600)
McCormick Science Grant, Indiana Univ. College of Arts & Sciences ($2,500)
2004 American Ornithologists Union, Research Award ($1,800)
Mountain Lake Biological Station, Research Fellowship ($1,000)
Sigma Xi, Grant in Aid of Research ($500)
2003 Sigma Xi, Grant in Aid of Research ($750)

Publications

h = 26, 2587 citations; Google Scholar
**McGlothlin lab graduate student*, †*undergraduate student*

Journal Articles

37. Gendreau, K. L.*, M. T. J. Hague, C. R. Feldman, E. D. Brodie, Jr., E. D. Brodie III, and **J. W. McGlothlin**. 2020. Sex linkage of the skeletal muscle sodium channel gene (*SCN4A*) explains apparent deviations from Hardy-Weinberg equilibrium of tetrodotoxin-resistance alleles in garter snakes (*Thamnophis sirtalis*). ***Heredity*** 124: 647-657.
36. Guo, J., S. Dadashi, M. Bender, S. T. Paruchuri, N. Powell, Y. Sharma, H. Kurdila, **J. W. McGlothlin**, and A. J. Kurdila. 2019. Probabilistic error bounds on constraint violation for empirical-analytical Lagrangian models of motion. ***Nonlinear Dynamics*** 98: 195-213.
35. **McGlothlin, J. W.**, R. M. Cox, and E. D. Brodie III. 2019. Sex-specific selection and the evolution of between-sex genetic covariance. ***Journal of Heredity*** 110: 422-432.
34. Perry, B. W., D. C. Card, **J. W. McGlothlin**, (28 authors), and T. A. Castoe. 2018. Molecular adaptations for sensing and securing prey and insight into amniote genome diversity from the garter snake genome. ***Genome Biology and Evolution*** 10: 2110-2129.
33. **McGlothlin, J. W.**, M. E. Kobiela†, H. V. Wright†, D. L. Mahler, J. J. Kolbe, J. B. Losos, and E. D. Brodie III. 2018. Adaptive radiation along a deeply conserved genetic line of least resistance in *Anolis* lizards. ***Evolution Letters*** 2: 310-322.
32. Logan, M. L., J. D. Curlis, A. L. Gilbert, D. B. Miles, A. K. Chung, **J. W. McGlothlin**, and R. M. Cox. 2018. Thermal physiology and thermoregulatory behaviour exhibit low heritability despite genetic divergence between lizard populations. ***Proceedings of the Royal Society B*** 285: 20180697.
31. Montiglio, P. O., **J. W. McGlothlin**, and D. R. Farine. 2018. Social structure modulates the evolutionary consequences of social plasticity: a social network perspective on interacting phenotypes. ***Ecology and Evolution*** 8: 1451-1464.

30. Fetters, T. L.* and **J. W. McGlothlin**. 2017. Life histories and invasions: accelerated laying rate and incubation time in an invasive lizard, *Anolis sagrei*. ***Biological Journal of the Linnean Society*** 122: 635-642.
29. Cox, R. M., Costello, R. A., Camber, B. E.†, and **J. W. McGlothlin**. 2017. Multivariate genetic architecture of the *Anolis* dewlap reveals both shared and sex-specific features of a sexually dimorphic ornament. ***Journal of Evolutionary Biology*** 30: 1262-1275. (**Cover Article**)
28. Cox, R. M., C. L. Cox, **J. W. McGlothlin**, D. C. Card, A. L. Andrew, and T.A. Castoe. 2017. Hormonally mediated increases in sex-biased gene expression accompany the breakdown of between-sex genetic correlations in a sexually dimorphic lizard. ***American Naturalist*** 189: 315-332. (**Recommended by *Faculty of 1000***)
27. Cox, R. M., **J. W. McGlothlin**, and F. Bonier. 2016. Hormones as mediators of phenotypic and genetic integration: an evolutionary genetics approach. ***Integrative and Comparative Biology*** 56: 126-137.
26. Cox, R. M., **J. W. McGlothlin**, and F. Bonier. 2016. Evolutionary Endocrinology: Hormones as mediators of evolutionary phenomena. ***Integrative and Comparative Biology*** 56: 121-125.
25. **McGlothlin, J. W.**, M. E. Kobiela, C. R. Feldman, T. A. Castoe, S. L. Geffeney, C. T. Hanifin, G. Toledo, F. J. Vonk, M. K. Richardson, E. D. Brodie, Jr., M. E. Pfrender, and E. D. Brodie III. 2016. Historical contingency in a multigene family facilitates adaptive evolution of toxin resistance. ***Current Biology*** 26: 1616-1621. (**Cover Article**)
24. **McGlothlin, J. W.**, J. P. Chuckalovcak, D. E. Janes, S. V. Edwards, C. R. Feldman, E. D. Brodie, Jr., M. E. Pfrender, and E. D. Brodie III. 2014. Parallel evolution of tetrodotoxin resistance in three voltage-gated sodium channel genes in the garter snake *Thamnophis sirtalis*. ***Molecular Biology and Evolution*** 31: 2836-2846.
23. **McGlothlin, J. W.**, J. B. Wolf, E. D. Brodie III, and A. J. Moore. 2014. Quantitative genetic versions of Hamilton's rule with empirical applications. ***Philosophical Transactions of the Royal Society B*** 369: 20130358.
22. **McGlothlin, J. W.** and L. F. Galloway. 2014. The contribution of maternal effects to selection response: an empirical test of competing models. ***Evolution*** 68: 549-558.
21. Sanger, T. J., E. Sherratt, **J. W. McGlothlin**, E. D. Brodie III, J. B. Losos, and A. Abzhanov. 2013. Convergent evolution of sexual dimorphism in skull shape using distinct developmental strategies. ***Evolution*** 67: 2180-2193.
20. Gerlach, N. M., **J. W. McGlothlin**, P. G. Parker, and E. D. Ketterson. 2012. Reinterpreting Bateman gradients: multiple mating and selection in both sexes of a songbird species. ***Behavioral Ecology*** 23: 1078-1088.
19. Gerlach, N. M., **J. W. McGlothlin**, P. G. Parker, and E. D. Ketterson. 2012. Promiscuous mating produces offspring with higher lifetime fitness. ***Proceedings of the Royal Society of London* B** 279: 860-866.
18. Formica, V. A., **J. W. McGlothlin**, C. W. Wood, M. E. Augat, R. E. Butterfield†, M. E. Barnard†, and E. D. Brodie III. 2011. Phenotypic assortment mediates the effect of social selection in a wild beetle population. ***Evolution*** 65: 2771-2781.

17. **McGlothlin, J. W.**, A. J. Moore, J. B. Wolf, and E. D. Brodie III. 2010. Interacting phenotypes and the evolutionary process. III. Social evolution. ***Evolution*** 64: 2558-2574.
16. **McGlothlin, J. W.** 2010. Combining selective episodes to estimate lifetime nonlinear selection. ***Evolution*** 64: 1377-1384.
15. **McGlothlin, J. W.**, D. J. Whittaker, S. E. Schrock, N. M. Gerlach, J. M. Jawor, E. A. Snajdr, and E. D. Ketterson. 2010. Natural selection on testosterone production in a wild songbird population. ***American Naturalist*** 175: 687-701.
14. Ketterson, E. D., J. W. Atwell, and **J. W. McGlothlin**. 2009. Phenotypic integration and independence: hormones, performance, and response to environmental change. ***Integrative and Comparative Biology*** 49: 365-379.
13. Galloway, L. F., J. R. Etterson, and **J. W. McGlothlin**. 2009. The contribution of direct and maternal genetic effects to life-history evolution. ***New Phytologist*** 183: 826-838.
12. **McGlothlin, J. W.** and E. D. Brodie III. 2009. How to measure indirect genetic effects: The congruence of trait-based and variance-partitioning approaches. ***Evolution*** 63: 1785-1795.
11. **McGlothlin, J. W.** and E. D. Ketterson. 2008. Hormone-mediated suites as adaptations and evolutionary constraints. ***Philosophical Transactions of the Royal Society of London*** **B** 363: 1611-1620.
10. **McGlothlin, J. W.**, J. M. Jawor, T. J. Greives, J. M. Casto, J. L. Phillips[†], and E. D. Ketterson. 2008. Hormones and honest signals: males with larger ornaments elevate testosterone more when challenged. ***Journal of Evolutionary Biology*** 21: 39-48.
9. **McGlothlin, J. W.**, J. M. Jawor, and E. D. Ketterson. 2007. Natural variation in a testosterone-mediated trade-off between mating effort and parental effort. ***American Naturalist*** 170: 864-875.
8. Jawor, J. M., **J. W. McGlothlin**, J. M. Casto, T. J. Greives, E. A. Snajdr, G. E. Bentley, and E. D. Ketterson. 2007. Testosterone response to GnRH in a female songbird varies with stage of reproduction: implications for adult behaviour and maternal effects. ***Functional Ecology*** 21: 767-775.
7. **McGlothlin, J. W.**, D. L. Duffy, J. L. Henry-Freeman[†], and E. D. Ketterson. 2007. Diet quality affects feather growth rate and an attractive white plumage pattern in dark-eyed juncos (*Junco hyemalis*). ***Behavioral Ecology and Sociobiology*** 61: 1391-1399.
6. Brodie, E. D., III, and **J. W. McGlothlin.** 2007. A cautionary tale of two matrices: the duality of multivariate abstraction. ***Journal of Evolutionary Biology*** 20: 9-14.
5. Greives, T. J., **J. W. McGlothlin**, J. M. Jawor, G. E. Demas, and E. D. Ketterson. 2006. Testosterone and immune function inversely co-vary in a wild population of breeding Dark-eyed Juncos (*Junco hyemalis*). ***Functional Ecology*** 20: 812-818.
4. Jawor, J. M., **J. W. McGlothlin**, J. M. Casto, T. J. Greives, E. A. Snajdr, G. E. Bentley, and E. D. Ketterson. 2006. Seasonal and individual variation in response to GnRH challenge in male dark-eyed juncos (*Junco hyemalis*). ***General and Comparative Endocrinology*** 149: 182-189.
3. **McGlothlin, J. W.**, P. G. Parker, V. Nolan Jr., and E. D. Ketterson. 2005. Correlational selection leads to genetic integration of body size and an attractive plumage trait in dark-eyed juncos. ***Evolution*** 59: 658-671.

2. **McGlothlin, J. W.**, D. L. H. Neudorf, V. Nolan Jr., and E. D. Ketterson. 2004. Elevated testosterone reduces choosiness in female dark-eyed juncos (*Junco hyemalis*): evidence for a hormonal constraint on sexual selection? ***Proceedings of the Royal Society of London*** **B** 271:1377-1384.
1. Brooks, M. A., B. C. Harrigan†, K. M. Johnson, D. E. Lowe†, J. P. Lowery†, **J. W. McGlothlin**†, M. M. Sasso†, S. A. Smith†, and D. A. Cristol. 2001. Revisit schedule does not affect results of point counts. ***Journal of Field Ornithology*** 72:404-411.

Book Chapters

5. **McGlothlin, J.W.** 2016. Social effects. In R. Kliman, ed., ***Encyclopedia of Evolutionary Biology***. Elsevier B. V., Amsterdam.
4. Cain, K., J. M. Jawor, and **J. W. McGlothlin**. 2016. Individual variation and selection on hormone-mediated phenotypes in male and female dark-eyed juncos. In E. D. Ketterson and J. W. Atwell, eds*.*, ***Snowbird: Integrative Biology and Evolutionary Diversity in the Junco.*** Univ. Chicago Press, Chicago.
3. **McGlothlin, J.W.** and E. D. Ketterson. 2016. Hormonal pleiotropy and the evolution of correlated traits. In E. D. Ketterson and J. W. Atwell, eds., ***Snowbird: Integrative Biology and Evolutionary Diversity in the Junco.*** Univ. Chicago Press, Chicago.
2. Ketterson, E. D., J. W. Atwell, and **J. W. McGlothlin**. 2014. Evolution of hormones and behavior. pp. 616-623 in J. Losos, ed. ***Princeton Guide to Evolution***. Princeton Univ. Press, Princeton.
1. McCauley, D. E., C. M. Richards, S. N. Emery, R. A. Smith, and **J. W. McGlothlin**†. 2001. The interaction of genetic and demographic processes in plant metapopulations: A case study of *Silene alba* pp. 177-196 in J. Silvertown and J. Antonovics, eds. ***Integrating Ecology and Evolution in a Spatial Context.*** Blackwell Science, Oxford.

Preprints

4. **McGlothlin, J. W.**, E. Akçay, E. D. Brodie III, A. J. Moore, and J. Van Cleve. 2021. A synthesis of game theory and quantitative genetic models of social evolution. ***bioRxiv*** 2021.03.27.437341.
3. Gendreau, K. L.*, A. D. Hornsby, M. T. J. Hague, and **J. W. McGlothlin**. 2021. Gene conversion facilitates the adaptive evolution of self-resistance in highly toxic newts. ***bioRxiv*** 2021.03.25.437018.
2. **McGlothlin, J. W.** and D. N. Fisher. 2021. Social selection and the evolution of maladaptation. ***bioRxiv*** 2021.03.12.435141.
1. **McGlothlin, J. W.**, M. E. Kobiela†, H. V. Wright†, J. J. Kolbe, J. B. Losos, and E. D. Brodie III. 2021. Conservation and convergence of genetic architecture in the adaptive radiation of *Anolis* lizards. ***bioRxiv*** 2021.02.18.431064.

Forthcoming

3. De Lisle, S. P., D. I. Bolnick, E. D. Brodie III, A. J. Moore, and **J. W. McGlothlin**. In prep. Interacting phenotypes and the coevolutionary process.

2. Hernandez, J., C. Hucul, E. Reasor, T. Smith, J. W. McGlothlin, D. C. Haak, L. K. Belden, and I. T. Moore. In review. Assessing potential drivers of variation in the reproductive microbiome of female tree swallows.
1. Wittman, T. J., C. D. Robinson, **J. W. McGlothlin,** and R. M. Cox. In revision. Hormonal pleiotropy structures genetic covariance.

Media

Press Coverage and Interviews

2018 Virginia Tech News, "Genetic variation can leave long-lasting stamp on evolutionary patterns"
2017 Pulse of the Planet (two interviews, aired May 2017)
UVa Today, "With most of the same genes, how do lizard siblings end up so different?"
2016 Washington Post Speaking of Science, "How an evolutionary arms race with snakes turned newts super toxic"
The Atlantic, "The very long war between snakes and newts"
UVa Today, "Extreme resistance"
Virginia Tech News, "One snake's prey is another's poison"
Molecular Ecologist, "How Molecular Ecologists Work: Joel McGlothlin on self-critique and the whereabouts of elusive emails"
2014 Virginia Tech News, "Snakes in evolutionary arms race with poisonous newt"
2011 Nature News and Views, "Why promiscuity pays"
Nature Research Highlights, "Infidelity yields better offspring"
German Press Agency, including Die Welt and Der Spiegel
The Conversation, "Do cheating females have better kids?"
Indiana University, "It's for the grandkids!"
2010 Indiana University, "Natural selection for moderation in testosterone surprises scientists"
UVa Today, "Study shows costs and benefits of testosterone in birds"
University of Virginia Magazine, "Between extremes"
2009 National Wildlife, "The high price of being a hunk"
2007 Indiana University, "Testosterone turns male juncos into blustery hunks—and bad dads"
ScienCentral Science Sensei, "Roid rage"
2006 Birding "News and Notes"

Blog Posts

2018 Evolution Letters Blog, "Shaping evolution: selection vs. constraint"
2017 Nothing In Biology Makes Sense, "Surviving the pre-tenure years"

Invited Seminars

2021 Villanova University, Dept. of Biology (virtual presentation)

2019 University of New Orleans, Dept. of Biological Sciences
Virginia Tech, Math-Bio Seminar
Dartmouth College, Dept. of Biological Sciences
Florida State University, Dept. of Biological Science
(2 seminars: Graduate-student invited speaker and Darwin Day speaker)
University of Georgia, Dept. of Genetics
2016 Miami University, Dept. of Biology
Mountain Lake Biological Station
Clemson University, Dept. of Biological Sciences
2015 University of South Carolina, Dept. of Biological Sciences
Wake Forest University, Dept. of Biology
2014 University of California, Riverside, Dept. of Biology
Virginia Tech Carilion Research Institute
2013 Michigan State University, BEACON Center
Michigan State University, Ecology, Evolutionary Biology, and Behavior
North Dakota State University, Dept. of Biological Sciences
2012 Radford University, Dept. of Biology
University of Texas at Arlington, Dept. of Biology
Virginia Tech, Dept. of Biological Sciences
College of William & Mary, Dept. of Biology
University of Louisville, Dept. of Biology
Utah State University, Dept. of Biology
2011 Indiana University, Dept. of Biology
University of Southern Mississippi, Dept. of Biological Sciences
Princeton University, Dept. of Ecology and Evolutionary Biology
2010 University of Illinois, Dept. of Animal Biology
University of Michigan, Dept. of Ecology and Evolutionary Biology
Virginia Tech, Dept. of Biological Sciences
Oklahoma State University, Dept. of Zoology
University of Toronto Mississauga, Dept. of Biology
Ohio University, Dept. of Biological Sciences
Wayne State University, Dept. of Biological Sciences
University of Alabama, Dept. of Biological Sciences
University of Pittsburgh, Dept. of Biological Sciences
2006 University of Chicago, Animal Behavior Research Group
2005 Mountain Lake Biological Station

Conference Presentations

Symposium Talks

2020 American Genetic Association, President's Symposium (virtual presentation)
2019 Virginia Tech Neuroscience Symposium
2018 Evolution, Montpellier, France, Social Evolution and Kin Selection
Canadian Society of Ecology and Evolution, Guelph, ON, Yodzis Colloquium
American Genetic Association, Toronto, ON, President's Symposium
2011 Evolution, Norman, OK, Theodosius Dobzhansky Prize Lecture

2010 Evolution, Portland, OR, ASN Young Investigators Symposium
2009 Animal Behavior, Pirenópolis, Brazil, "Interacting Phenotypes" Symposium
2006 Animal Behavior, Snowbird, UT, "Behavioral Syndromes" Symposium

Contributed Talks

2017 Evolution, Portland, OR
2016 Evolution, Austin, TX
2015 Evolution, Guarujá, Brazil
2013 Evolution, Snowbird, UT
Society for Integrative and Comparative Biology, San Francisco, CA
2012 Evolution, Ottawa, ON
2009 *Anolis* Symposium, Cambridge, MA
2008 Evolution, Minneapolis, MN
2006 Evolution, Stony Brook, NY
NSERC/NSF/ESF Workshop, Vancouver, BC
2005 Animal Behavior, Snowbird, UT
Society for Integrative and Comparative Biology, San Diego, CA
2004 ESF/NSF/NSERC Workshop, Wageningen, Netherlands
2002 Animal Behavior Society, Bloomington, IN

Posters

2014 Evolution, Raleigh, NC
2006 Animal Behavior, Snowbird, UT
2005 NSF/ESF/NSERC Workshop, Seattle, WA
2002 Evolution, Urbana, IL

Teaching

2020 (Fall) Evolutionary Biology, BIOL 2704
2020 (Spring) Evolutionary Genetics, BIOL 4134
Advanced Evolutionary Genetics, BIOL 5134
2018 (Fall) Evolutionary Biology, BIOL 2704
Honors Evolutionary Biology, BIOL 2704H
Honors Evolutionary Biology Discussion, BIOL 2984
2018 (Spring) Evolutionary Biology, BIOL 2704
Honors Evolutionary Biology, BIOL 2704H
Honors Evolutionary Biology Discussion, BIOL 2984
2017 (Spring) Evolutionary Genetics, BIOL 4134
Advanced Evolutionary Genetics, BIOL 5134
2016 (Fall) Evolutionary Biology, BIOL 2704
Honors Evolutionary Biology, BIOL 2704H
Honors Evolutionary Biology Discussion, BIOL 2984
2015 (Fall) Evolutionary Biology, BIOL 2704
2015 (Spring) Evolutionary Genetics, BIOL 4134
Advanced Evolutionary Genetics, BIOL 5134G
2014 (Fall) Evolutionary Biology, BIOL 2704

2013 (Fall) Evolutionary Biology, BIOL 2704
2012 (Fall) Evolutionary Biology, BIOL 2704

Advising and Mentoring

Postdoctoral Advisees

2017-19 Angela Hornsby (currently Curator, Philip L. Wright Zoological Museum, University of Montana)
2015-18 Sarah Foltz (currently Assistant Professor, Radford University)
2015-16 John Abramyan (currently Assistant Professor, University of Michigan, Dearborn)

Graduate Advisees

2019- Kaitlyn Malewicz (PhD student)
2017- Kerry Gendreau (PhD student)
2015-16 Julie Wiemerslage (PhD student)
2013-18 Tamara Fetters (PhD 2018)

Graduate Thesis Committees

2021- Bailey Howell (PhD student)
2020- Nicholas Bone (PhD student), Alexander Grimaudo (PhD student), Sean McHugh (MS student), Alex Longcamp (PhD student)
2019- Camilo Alfonso (PhD student), Alex Grimaudo (PhD student), Zarley Rebholz (PhD student),
2019-20 Allison Rowley (MS 2020)
2019 Henry Camarillo (PhD student)
2018- Brenen Wynd (Dept. of Geosciences, PhD student)
2018-19 Brooke Bodensteiner (PhD student)
2017- Jessica Hernandez (PhD student), Samuel Lane (PhD student), Brian Case (Dept. of Fish and Wildlife, PhD student)
2017-18 Krista Koeller (Dept. of Geosciences, MS 2018)
2015-19 Ben Vernasco (PhD 2019), Maya Wilson (PhD 2019)
2014- Leah Novak (PhD student)
2014-19 Ariel Leon (PhD 2019)
2013-17 Rajesh Bawa (Dept. of Forest Res. and Env. Conservation, PhD 2017)
2013-15 Camilo Escallòn (PhD 2015)
2010-13 M. Susan DeVries (University of Southern Mississippi, PhD 2013)

Undergraduate Research Students

**NSF Research Experience for Undergraduates;* †*Fralin SURF program*

2020- Kendall Staunton
2019- Emily Orr
2019-2020 Jake Galvin, Amrit Singh
2019 Mercedes Collins*, Dylan McPhee, Stephanie Morrison
2018-19 Caitlin McCaughan*

2018 Alex Nguyen
2017-19 Rob Hadad
2017-18 Madison Thammavong
2017 Maeghan Klinker*
2016-17 Arin Davis, Mackenzie Huber, Emily Meeks
2016-17 Blake Spiers
2015-18 Tyler Miller†
2015-17 Emily Watts (currently PhD student, Ohio University)
2015-16 Kathryn Moore
2015 Brittany Barcelos, Cassandra Meakin, Taylor Newman
2014-15 Joanne Amposta, Merrie Chappell, Anna Curreri, Prabhsimret Dhillon, Christopher Noble-Molnar, Daniel Powers, Alexandria White, Thomas Wood†
2014 Anastasia Arkhipova, Andrew Schurtz
2011 Kaitlin Alford
2010-11 Uma Pendem
2009-10 Monika Henn (MS, Texas State University at Marcos), Jeffrey Wright, Helen Vasaly* (MS, University of Virginia; currently Science Assistant, NSF)
2009 Maridel Fredericksen (MS, Penn State, PhD student, University of Basel), Eleanor Giles, Jessica Lawler, Maria-Angelica Zamora-Duran, Elizabeth Zipperle
2008-10 Megan Kobiela (MS, College of William & Mary, PhD, Univ. of Minnesota; currently postdoc, University of Nebraska)
2008-09 Casey Furr*, Brian Duggar
2008 Bryan Hendrick
2007-09 Tyler Cassidy
2006-07 Elizabeth Schultz (PhD, University of California, Davis; currently Assistant Professor, Wittenberg University)
2005 Jennifer Phillips* (PhD, University of California, Davis; currently Scientist, Environmental Protection Agency)
2003 Jacqueline Gaudioso* (MS, University of Hawaii, Hilo; currently Project Coordinator, ʻAlalā Recovery Project)
2002 Jessica Henry*

Post-baccalaureate Research Students

2015-16 Joanne Amposta
2007-08 Margo Adler (PhD, University of New South Wales)

University Affiliations

Fralin Life Sciences Institute
Global Change Center
Interfaces of Global Change Interdisciplinary Graduate Education Program

University and Departmental Service

2020- Research Day Committee Chair, Dept. of Biological Sciences
2020- VTLSS Committee

2019-20 Research Day Committee, Dept. of Biological Sciences
2016-17 Evolutionary Biology Search Committee, Dept. of Biological Sciences
2015-19 EEB Seminar Committee Chair, Dept. of Biological Sciences
2015-16 Executive and Personnel Committee, Dept. of Biological Sciences
2015 Seed Grant Review Panel, Global Change Center
2014-15 EEB Seminar Committee Co-chair, Dept. of Biological Sciences
2012-14 Graduate Selection Committee, Dept. of Biological Sciences
2012 Sophomore Curriculum Revision Committee, Dept. of Biological Sciences
2005-06 CISAB Steering Committee, Indiana University
Animal Behavior Faculty Search Committee, Indiana University

Professional Society Affiliations

American Genetic Association
American Society of Naturalists (lifetime member)
European Society for Evolutionary Biology (lifetime member)
Society for the Study of Evolution (lifetime member)
Society for Integrative and Comparative Biology
Society for Molecular Biology and Evolution

Professional Service

2022-24 Secretary, American Society of Naturalists
2020- Associate Editor, *American Naturalist*
2020- Diversity Committee, Society for the Study of Evolution
2020-22 Councilor, Society for the Study of Evolution
2018-20 Associate Editor, *Evolution*
2016-19 Hamilton Award Committee Chair, Society for the Study of Evolution
2016 Co-organizer of symposium, "Evolutionary Endocrinology: Hormones as mediators of evolutionary phenomena," with Robert Cox and Frances Bonier, Society for Integrative and Comparative Biology, Portland, OR
2015 National Science Foundation Review Panels (2)
2014 National Science Foundation Review Panel
2013-19 Hamilton Award Committee, Society for the Study of Evolution
2013 National Science Foundation Review Panels (3)
2013- Associate Editor, *Ecology and Evolution*
2012 National Science Foundation Review Panel
2011- Founding Peer, Peerage of Science
2009-10 Associate Member, Faculty of 1000 Biology

Professional Reviewing

Journals

Science, Trends in Ecology & Evolution, Molecular Biology and Evolution, Current Biology, Biological Reviews, Proceedings of the National Academy of Sciences of the USA, Ecology Letters, eLife, Methods in Ecology and Evolution, Philosophical Transactions of the Royal Society B, Evolution Letters, Molecular Ecology, Proceedings of the Royal Society B, Genetics,

Functional Ecology, PLOS Computational Biology, Evolution, Evolutionary Applications, Hormones and Behavior, The American Naturalist, Journal of the Royal Society Interface, Genetics Selection Evolution, Heredity, PLOS ONE, Journal of Evolutionary Biology, Biology Letters, Journal of Heredity, Behavioral Ecology, Animal Behaviour, Behavioral Ecology and Sociobiology, Integrative and Comparative Biology, The Auk, Evolutionary Biology, Biological Journal of the Linnean Society, Naturwissenschaften, Advances in the Study of Behavior, Ecology and Evolution, Ethology, Behaviour, Acta Ethologica, Wilson Journal of Ornithology

Books and Book Chapters

Macmillan, Oxford University Press, Roberts and Company, Sinauer

Grants and Fellowships

National Science Foundation (external review), 2010 (2), 2011 (3), 2012 (2), 2015 (1), 2017 (1), 2018 (2), 2019; Leakey Foundation, 2014; Sigma Delta Epsilon Graduate Women in Science fellowship, 2012, 2015, 2017 (2)