JILL T. ANDERSON
CURRICULUM VITAE

Department of Genetics and Odum School of Ecology
120 East Green Street
Davison Life Sciences Building – C312A
University of Georgia
Athens, GA 30602

Telephone: 706-542-0853
Fax: 706-542-3910
E-Mail: jta24@uga.edu
https://anderson.franklinresearch.uga.edu/

EDUCATION

Cornell University	Ecology and Evolutionary Biology	Ph.D. 2009
Brown University	Biology	Sc.B. 1998, with honors

RESEARCH APPOINTMENTS

2024-present	Professor, Department of Genetics and Odum School of Ecology, University of Georgia. (Athens, GA)
2018-2024	Associate Professor, Department of Genetics and Odum School of Ecology, University of Georgia. (Athens, GA)
2015-2018	Assistant Professor, Department of Genetics and Odum School of Ecology, University of Georgia. (Athens, GA)
2012-2014	Assistant Professor, Department of Biological Sciences and Environment and Sustainability Program, University of South Carolina. (Columbia, SC)
2009- 2012	Postdoctoral associate in Mitchell-Olds lab, Department of Biology, Duke University. (Durham, NC)

PUBLICATIONS

I have denoted trainees from my lab using superscripts after their names: [P] postdoctoral associate; [G] graduate student; [U] undergraduate student; [T] technician. I continue to collaborate with former postdocs after they move to independent positions; I designate them as postdocs only for papers completed prior to their departure.

1. Cocciardi, J., A. Hoffmann, D. Alcarado-Serrano, **J.T. Anderson**, Meghan Blumstein, Emma Boehm, Lana Bolin, Israel Borokini, G. Bradburd, H. Branch, L. Brudvig, Y. Chen, S. Collins, D. Des Marais, D. Gamba, N. Hanan, M. Howard, J. Jaros, T. Juenger, N. Kooyers, E. Kottler, J. Lau, M. Menon, D. Moeller, T. Mozdzer, S. Sheth, M. Smith, K. Toll, M. Ungerer, M. Vahsen, S. Wadgymar, A. Waananen, K. Whitney, and M. Avolio, in press. "The value of long-term ecological research for evolutionary insights." Nature Ecology and Evolution.
2. S. Day Briggs[G] and **J.T. Anderson**, 2024. "The effect of global change on the expression and evolution of floral traits." Annals of Botany. doi: 10.1093/aob/mcae057
3. D. Denney[G], P. Patel, [U] **J.T. Anderson**, 2024. "Elevated [CO_2] and temperature augment gas exchange and shift the fitness landscape a montane forb." New Phytologist. doi: 10.1111/nph.19765

4. S. Wadgymar, S. Sheth, E. Josephs, M. DeMarche, **J.T. Anderson**, 2024. Defining fitness in evolutionary ecology. International Journal of Plant Sciences. 185(3): 218-227. https://doi.org/10.1086/729360
5. **J.T. Anderson,** 2023. The consequences of winter climate change for plant performance. American Journal of Botany. 110(12): e16252. DOI: 10.1002/ajb2.16252.
6. J. Boyd, C. Baskauf, A. Lindsay, **J. T. Anderson,** J. Brzyski, J. Cruse-Sander, 2023. Phenotypic plasticity and genetic diversity shed light on endemism of rare *Boechera perstellata* and its potential vulnerability to climate warming. Ecology and Evolution. 13(9): e10540. DOI: 10.1002/ece3.10540.
7. R. MacTavish[G] and **J.T. Anderson**, 2022. Water and nutrient availability exert selection on reproductive phenology. American Journal of Botany.109: 1702-1716.
8. C. Rushworth, M. Wagner, T. Mitchell-Olds*, and **J.T. Anderson***, 2022. The *Boechera* model system for evolutionary ecology American Journal of Botany. 109: 1939-1961. *Mitchell-Olds and Anderson are joint corresponding authors.
9. J. Boyd*, **J.T. Anderson***, J. Brzyski, C. Baskauf, and J. Cruse-Sanders, 2022. Eco-evolutionary causes and consequences of rarity in plants: A meta-analysis. New Phytologist. *Boyd and Anderson share equal contributions and are joint corresponding authors. 235(3): 1272-1286. https://doi.org/10.1111/nph.18172
10. S. Wadgymar*, M. DeMarche, E. Josephs, S. Sheth, and **J.T. Anderson***, 2022. Local adaptation: Causal agents of selection and adaptive trait divergence. Annual Review of Ecology, Evolution, and Systematics. 53: 87-111. *Wadgymar and Anderson share equal contributions and are joint corresponding authors.
11. C. Rixen et al., 2022. Winters are changing: snow effects on Arctic and alpine tundra. Arctic Science. I am one of 60 authors on this manuscript. https://doi.org/10.1139/as-2020-0058
12. J. Santangelo et al., 2022 Global urbanization drives parallel environmental and evolutionary change. Science. I am one of 288 authors on this manuscript, which was driven by Marc Johnson and his lab (University of Toronto Mississauga). 375(6586): 1275-1281.
13. J. Boyd, J. Odell, J. Cruse-Sanders, W. Rogers, **J.T. Anderson**, C. Baskauf, and J. Brzyski, 2022. Phenotypic plasticity and genetic diversity elucidate rarity and vulnerability of an endangered riparian plant. Ecosphere. 13(4): e3996
14. Hamann, E.[P], C. Blevins [U], Steven J. Franks, M. Inam Jameel [G], **J. T. Anderson**, 2021. Tansley Review: Climate change alters plant-herbivore interactions. New Phytologist. 229(4): 1894-1910.
15. Hamann, E. [P], S. Wadgymar, and **J.T. Anderson**, 2021. Climate change alters costs of reproduction. Proceedings of the Royal Society B. 288 (1948), 20203134.
16. **J.T. Anderson**, M. Inam Jameel [G], and M. A. Geber, 2021. Selection favors plasticity in a long-term reciprocal transplant experiment. Evolution. 75(7): 1711-1726

17. Araujo, J., S. Correa, J. Penha, **J.T. Anderson**, A. Traveset, 2021. Cryptic function loss: the effect of body size reduction of frugivorous fishes on seed dispersal and predation networks. Journal of Applied Ecology.

18. Song, B.-H., and **Anderson, J.T**., 2020. Plant climate change adaptation-where are we? Journal of Systematics and Evolution. 58(5): 533-545.

19. Hamann, E. [P], D. Denney [G], S. Day [G], Elizabeth Lombardi, M.I. Jameel [G], Rachel MacTavish [G], **J.T. Anderson**, 2021. Plant eco-evolutionary responses to climate change: Emerging directions. Plant Science. https://doi.org/10.1016/j.plantsci.2020.110737

20. Araujo, J., S. Correa, **J.T. Anderson**, J. Penha, 2020. Fruit preferences by fishes in a Neotropical floodplain. Biotropica. https://doi.org/10.1111/btp.12790

21. Denney, D.[G], M.I. Jameel [G], J. Bemmels [P], M. Rochford [G], and **J.T. Anderson**, 2020. Small spaces, Big impacts: Contributions of microenvironmental variation to population persistence under climate change. AoB Plants. 12(2): plaa005

22. MacTavish, R.[G] and **J.T. Anderson**, 2020. Resource availability alters fitness trade-offs: implications for evolution in stressful environments. American Journal of Botany. 107(2):1-11.

23. **J.T. Anderson** and S. Wadgymar, 2020. Climate change disrupts local adaptation and favours upslope migration. Ecology Letters. 23(1): 181-192.

24. Bemmels, J. [P] and **J.T. Anderson**, 2019. Climate change shifts natural selection and the adaptive potential of the perennial forb *Boechera stricta* in the Rocky Mountains. Evolution. 73(11): 2247-2262.

25. Wadgymar [P], S., R. MacTavish [G], **J.T. Anderson**, 2019. Evolutionary Consequences of Climate Change. Ecosystem Consequences of Soil Warming. Edited by J. Mohan. Published by Elsevier, Chapter 2: pp. 29-59.

26. Mohan, J.E., S. Wadgymar [P], D. E. Winkler, **J. T. Anderson**, P. T. Frankson, R. Hannifin, K. Benavides, L. M. Kueppers, and J. M. Melillo, 2019. Plant reproductive fitness and phenology responses to climate warming. Ecosystem Consequences of Soil Warming. Edited by J. Mohan. Published by Elsevier, Chapter 3: pp. 61-102.

27. S. Wadgymar [P], R.M. Mactavish [G], and **J.T. Anderson**, 2018. Transgenerational and within-generation plasticity in response to climate change: Insights from a manipulative field experiment across an elevational gradient. The American Naturalist. 192(6): 698-714.

28. Raul Costa-Pereira, C. Lucas, M. Crossa, **J.T. Anderson**, B. Weiss Albuquerque, E. P. Dary, M. T. F. Piedade, L. O. Demarchi, E. R. Rebouças, G. da S. Costa, M. Galetti and S.B. Correa, 2018. Defaunation shadow on mutualistic interactions. Proceedings of the National Academy of Sciences of the United States of America. 115(12): E2673-E2675.

29. S. Wadgymar [P], J. Ogilvie, D. Inouye, A. Weis, **J.T. Anderson,** 2018**.** Phenological responses to multiple environmental drivers under climate change: insights from a long-term observational study and a manipulative field experiment. New Phytologist. 218: 517-529.

30. P. Vaidya [G], A. McDurmon [U], E. Mattoon [U], M. Keefe, L. Carley, C.-R. Lee, R. Bingham, and **J.T. Anderson**, 2018. Ecological causes and consequences of flower-color polymorphism in a self-pollinating plant (*Boechera stricta*). New Phytologist. 218(1): 380-392.

31. S. Correa [P], P.C. de Oliveira, C. Nunes da Cunha, J. Penha, and **J.T. Anderson**, 2018. Water and fish select for fleshy fruits in tropical wetland forests. Biotropica. 50: 312-318.

32. S. Wadgymar [P], D. Lowry, C. Byron, B. Gould, R. Mactavish [G], and **J.T. Anderson**, 2017. Identifying targets and agents of selection: Innovative methods to evaluate the processes that contribute to local adaptation. Methods in Ecology and Evolution. 8: 738-749

33. S. Wadgymar [P], S.C. Daws [U] and **J.T. Anderson**, 2017. Integrating temporal viability and fecundity selection to illuminate the adaptive nature of genetic clines. Evolution Letters 1: 26-39.

34. R. Colautti, J. Ågren and **J.T. Anderson,** 2017. Phenological shifts under climate change: the *Boecehra-Lythrum* model. Philosophical Transactions of the Royal Society B: Biological Sciences. 372(1712): 20160032. All authors contributed equally.

35. S. Correa [P], J. K. Arujo[*], J. Penha, C Nunes da Cunha, K. E. Bobier [G], **J.T. Anderson**, 2016. Stability and generalization in seed dispersal networks: A case study of frugivorous fish in Neotropical wetlands. Proceedings of the Royal Society of London B: Biological Sciences. DOI: 10.1098/rspb.2016.1267

36. K. M. Becklin, **J. T. Anderson**, L. M. Gerhart, S. M. Wadgymar [P], C A. Wessinger, and J. K. Ward, 2016. Examining plant physiological responses to climate change through an evolutionary lens. Plant Physiology. 172(2): 635-649. All authors contributed equally.

37. S. Correa [P] and **J.T. Anderson**, 2016. A nondestructive sampling protocol for field studies of seed dispersal by fish. Journal of Fish Biology. 88(5): 1989-2003.

38. **J.T. Anderson,** 2016. Plant fitness in a rapidly changing world. New Phytologist. 210: 81-87.

39. A.J. Manzaneda, P. Rey, **J.T. Anderson**, E. Raskin, C. Weiss-Lehman, and T. Mitchell-Olds, 2015. Natural variation, differentiation, and genetic trade-offs of ecophysiological traits in response to water limitation in *Brachypodium distachyon* and its descendent allotetraploid *B. hybridum* (Poaceae). Evolution. 69(10): 2689-2704.

40. **J.T. Anderson**, N. Perera, B. Chowdhury [T], T. Mitchell-Olds, 2015. Microgeographic patterns of genetic divergence and adaptation across environmental gradients in *Boechera stricta* (Brassicaceae). The American Naturalist. 186(S1): S60-S73.

41. S. Correa [P], R. Costa-Pereira, T. Fleming, M. Goulding, **J.T. Anderson**, 2015**.** Neotropical fruit-fish interactions: eco-evolutionary dynamics and conservation. Biological Reviews. 90(4): 1263-1278.

42. **J.T. Anderson**, V. Eckhart, and M.A. Geber, 2015. Experimental studies of adaptation in *Clarkia xantiana*. III. Phenotypic selection across a subspecies border. Evolution. 69 (9): 2249-2261.

43. S. Correa [P], J. Araujo, J. Penha, C. Nunes Da Cunha, P. Stevenson, **J.T. Anderson**, 2015. Overfishing disrupts an ancient mutualism between frugivorous fish and plants in Neotropical wetlands. Biological Conservation. 191: 159-167

44. **J.T. Anderson** and Z. Gezon, 2015. Plasticity in functional traits in the context ofclimate change: A case study of the subalpine forb *Boechera stricta* (Brassicaceae). Global Change Biology. 21(4): 1689-1703.

45. C.-R. Lee, **J.T. Anderson**, T. Mitchell-Olds, 2014. Unifying genetic canalization, genetic constraint, and genotype-by-environment interaction: QTL by genomic background by environment interaction of flowering time in *Boechera stricta*. PLoS Genetics. 10(10): e1004727.

46. **J.T. Anderson,** C.-R. Lee and T. Mitchell-Olds, 2014. Strong selection genome-wide enhances fitness tradeoffs across environments and episodes of selection. Evolution. 68(1): 16-31.

47. **J.T. Anderson** [+]**,** M. Wagner[+], K. Prasad, C. Rushworth, and T. Mitchell-Olds, 2014.The evolution of quantitative traits in complex environments. Heredity. 112: 4-12. [+] Equal contributions.

48. C. Topp, A. Iyer-Pascuzzi, **J.T. Anderson**, C.-R. Lee, P. Zurek, O. Symonova, Y. Zheng, A. Bucksch, Y. Mileyko, T. Galkovsky, B. Moore, J. Harer, H. Edelsbrunner, T. Mitchell-Olds, J. Weitz, and P.N. Benfey, 2013. Three-dimensional modeling and high-resolution phenotyping of living root systems identifies dozens of QTL controlling root architecture of rice. Proceedings of the National Academy of Sciences. 110(18): E1695-E1704.

49. B. Krizek and **J.T. Anderson,** 2013. Control of flower size. Journal of Experimental Botany. 64(6): 1427-1437.

50. **J.T. Anderson**, C.-R. Lee, C. Rushworth, R. Colautti, and T. Mitchell-Olds, 2013. Genetic tradeoffs and conditional neutrality contribute to local adaptation. Molecular Ecology. 22(3): 699-708

51. **J.T. Anderson,** A.M. Panetta and T. Mitchell-Olds, 2012. Evolutionary and ecological responses to anthropogenic climate change. Plant Physiology. 160: 1728-1740.

52. K. Prasad, B.-H. Song, C. Olson-Manning, **J.T. Anderson**, C.-R. Lee, M.E. Schranz, A. Windsor, M. Clauss, A.J. Manzaneda, I. Naqvi, M. Reichelt, J. Gershenzon, S. Rupasinghe, M. Schuler, T. Mitchell-Olds, 2012. A gain of function polymorphism controlling complex traits and fitness in nature. Science. 337: 1081-1084.

53. **J.T. Anderson,** D.W. Inouye, A. McKinney, R. Colautti, and T. Mitchell-Olds, 2012. Phenotypic plasticity and adaptive evolution contribute to advancing flowering phenology in response to climate change. Proceedings of the Royal Society of London B: Biological Sciences. 279: 3843-3852. **Recommended by Faculty of 1000.**

54. **J.T. Anderson**, J. Willis, and T. Mitchell-Olds, 2011. Evolutionary genetics of plant adaptation. Trends in Genetics. 27(7): 258-266.

55. **J.T. Anderson,** C.-R. Lee, and T. Mitchell-Olds, 2011. Life history QTLs and natural selection on flowering time in *Boechera stricta*, a wild relative of *Arabidopsis*. Evolution. 65(3): 771-787.

56. M. Horn, S. Correa, P. Parolin, B. Pollux, **J. T. Anderson**, C. Lucas, P. Widmann, A. Tiju, M. Galetti and M. Goulding, 2011. Seed dispersal by fishes in tropical and temperate fresh waters: the growing evidence. Acta Oecologia. 37: 561-577.

57. **J.T. Anderson** and T. Mitchell-Olds, 2011. Ecological genetics and genomics of plant defences: Evidence and approaches. Functional Ecology. 25: 312-324.

58. **J.T. Anderson,** T. Nuttle, J. Saldaña Rojas [T], T. Pendergast, A. Flecker, 2011. Extremely long-distance seed dispersal by an overfished Amazonian frugivore. Proceedings of the Royal Society of London B: Biological Sciences. 278: 3329-3335.

59. **J.T. Anderson,** J. Sparks and M. Geber, 2010. Phenotypic plasticity despite source-sink population dynamics in a long-lived perennial plant. New Phytologist. 188: 856-867.

60. **J.T. Anderson** and M. Geber, 2010. Demographic source-sink dynamics restrict localadaptation in Elliott's blueberry (*Vaccinium elliottii*). Evolution. 64(2): 370-384.

61. A. Flecker, A.S., P. McIntyre, J. Moore, **J. T. Anderson**, B. Taylor, R. Hall, Jr., 2010. Migratory fishes as material and process subsidies in riverine ecosystems. Pages: 559-592 *In*: Community Ecology of Stream Fishes, K. Geido and D. Jackson, eds. American Fisheries Society, Bethesda, Maryland.

62. **J.T. Anderson,** A. Landi [U], P.L. Marks, 2009. Limited flooding tolerance restricts adult distribution patterns of a perennial shrub (*Itea virginica,* Iteaceae). American Journal of Botany. 96: 1603-1611.

63. **J.T. Anderson,** J. Saldaña Rojas [T], A.S. Flecker, 2009. High quality seed dispersal by Amazonian fruit-eating fishes. Oecologia. 161: 279-290.

64. **J.T. Anderson,** 2009. Positive density dependence in juveniles of two Neotropical tree species. Journal of Vegetation Science. 20: 27-36.

65. W. Carson, **J.T. Anderson**, E. Leigh, and S. Schnitzer, 2008. Challenges associated with testing and falsifying the Janzen-Connell Hypothesis: A review and critique. Pages: 210-241 *In:* Tropical Forest Community Ecology, W. Carson and S. Schnitzer, eds. Blackwell Publishing. Oxford, U.K.

66. **J.T. Anderson** and D. Morse. 2001. Pick-up lines: cues used by male crab spiders tofind reproductive females. Behavioral Ecology 12 (3): 360-366.

Other contributions, including commentaries

1. **Anderson, J.T.**, 2022. Genetic trade-offs and unexpected life history traits shape local adaptation in *Trifolium repens*. Molecular Ecology. https://doi.org/10.1111/mec.16544

2. Denney, D. [G] and **J.T. Anderson**, 2019. Natural history collections document biological responses to climate change. Global Change Biology. https://doi.org/10.1111/gcb.14922

3. **Anderson, J.T.** and T. Mitchell-Olds, 2010. Beyond QTL Cloning. PLoS Genetics. 6 (11): e1001197.

4. Rypien, K., **J.T. Anderson**, J. Andras, R. Clark, G. Gerrish, J. Mandel, M. Nydam, D. Riskin. 2007. Students unite to create State of the Planet Course. Nature 447: 775.

GRANTS AND FELLOWSHIPS

I have not included awards to my graduate students, although they have successfully received internal and external grants in support of their research.

Current

2022 National Science Foundation, Organismal Responses to Climate Change program. "Collaborative Research: ORCC: RUI: Integrating evolutionary and migratory potential of *Chamaecrista fasciculata* into forecasts of range-wide population dynamics under climate change." Lead PI: Jill Anderson, co-PIs: Megan DeMarche (UGA), Susana Wadgymar (Davidson College), Emily Josephs (Michigan State University), Seema Sheth (North Carolina State University), Jenny Cruse-Sanders (State Botanical Garden of Georgia). Total budget: $2,236,398. UGA component: $1,070,538.

American Iris Society Foundation, "Conflicting Selection on Flower Size in *Iris missouriensis*." PI: Jill Anderson. $18,369.

2018 National Institutes of Health, Ecology of Infectious Diseases "Coupled Macroparasite-Microparasite Interactions: Ecological and Evolutionary Consequences of Coinfection" PI: Vanessa Ezenwa, co-PIs: Anderson, A. Jolles, P. Rohani. Anderson component: $87,846

Past

2017 National Science Foundation. "Collaborative Research: Reasons for Rarity? Exploring Acclimatory and Adaptive Constraints to Commonness." PI: Jennifer Boyd, co-PIs: Jenny Cruse-Sanders, Jill Anderson, Carol Baskauf. Anderson component: $40,000.

2016 National Science Foundation. "CAREER: Evolutionary Consequences of Climate Change: Testing key hypotheses in a montane mustard." $1,112,474. PI: J.T. Anderson.

2013 National Geographic Society. Committee for Research and Exploration. "How fish help plant forests and maintain their biodiversity: The Implications of overfishing in South America." $20,000. PI: J.T. Anderson.

University of South Carolina, internal funding from ASPIRE program "Adaptive evolution in the context of rapid climate change." $10,695. PI: J.T. Anderson

Eppley Foundation for Research. "Consequences of seed dispersal by fruit-eating fish for plant biodiversity and regeneration" $27,676. PI: J.T. Anderson

2008 Department of Ecology and Evolutionary Biology, Cornell University. One semester fellowship for dissertation writing. $10,000.

2006 National Science Foundation, Doctoral Dissertation Improvement Grant. "Evolution of plant traits in a spatially and temporally heterogeneous landscape," $12,000. With M. Geber and P. Marks.

Center for the Environment, Cornell University. "Seed dispersal by fish in a Peruvian floodplain forest," $5000.

National Geographic Society. "Seed dispersal by fish in a Peruvian floodplain forest." With A. Flecker, $19,604.

2005 Andrew Mellow Foundation, Cornell University. "Differentiation between upland and bottomland populations of Elliott's blueberry (*Vaccinium elliottii*)," ($800) and "Does interhabitat gene flow impede local adaptation in Elliott's blueberry (*Vaccinium elliottii*)?" ($1500).

2003 Wildlife Conservation Society Fellowship. "Seed dispersal by fish in a Peruvian floodplain forest," $17,000.

2001 National Science Foundation, Graduate Fellowship. ~$80,000 over 3 years.

PRESENTATIONS

Invited Presentations: >50

Organized symposia: 2

Contributed abstracts. >25

TEACHING APPOINTMENTS

2024-present Fundamentals of Evolutionary Ecology (ECOL 8100), spring semester. UGA. Co-taught with Drs. S. Altizer and J. Wares

2016-present Fundamentals of Evolutionary Genetics (GENE 8150), fall semester. UGA. Co-taught with Dr. C. Bergman.

2015-present Evolutionary Ecology (ECOL 4500/6500), spring semester. UGA. Co-taught with Dr. T. Sasaki since 2019.

2016, 2021-22 Topics in Modern Ecology (ECOL 8000), fall semester. UGA. Responsible for a 3 week-long module on global change ecology.

2014 Environmental Issues Seminar (ENVR 590). University of South Carolina

2013 Environmental Issues Seminar (ENVR 590). University of South Carolina (new course, which I designed and taught)

Survey of the Plant Kingdom (BIOL 420). University of South Carolina (existing course, which I modified)

2012 Conservation Biology (ENVR 501C). University of South Carolina (new course, which I designed and taught).

2007 Instructor, Writing intensive section, Evolutionary Biology (BIOEE 278). Cornell University.

2005-2006 Head Teaching Assistant, Evolutionary Biology (BIOEE 278). Cornell University (two semesters).

2003 Teaching Assistant, Plant Physiological Ecology (BIOEE 466). Cornell University.

2002 Teaching Assistant, Field Ecology (BIOEE 463). Cornell University.

1997 Teaching Assistant, Animal Behavior (Bio 45). Brown University.

AWARDS

2024 Russell Award for Excellence in Undergraduate Teaching, the University of Georgia's highest early career teaching honor for outstanding and innovative instruction.

2022 Sandy Beaver Excellence in Teaching Award, UGA.

2019 Odum School of Ecology Outstanding Teacher, UGA.

2013 Women's Young Investigator Travel Award. American Society of Plant Biologists. $1000.

2008 Excellence in Teaching, Ecology and Evolutionary Biology, Cornell University.

1998 Senior Prize in Biology for undergraduate thesis work, Brown University.

PROFESSIONAL ACTIVITIES & SERVICE

Guest Editor

2023-2024 Guest Associate Editor for special issue of Evolutionary Applications on evolutionary rescue

Senior Editor

2022-2025 Senior Editor for The American Naturalist

Associate Editor

2020-2023 Associate Editor for Proceedings of the Royal Society B: Biological Sciences

2018-2022 Associate Editor for The American Naturalist

2016-2022 Associate Editor for Ecology and Evolution

2018-2020 Associate Editor for Evolution

External evaluator

2023-2025 External Scientific Evaluator for NSF Organismal Response to Climate Change Project Awards 2222464, 2222465, and 2222467 to Drs. Ben Blackman, Daniel Runcie, Jason Sexton and their co-PIs.

Manuscript and grant reviewer: >150 plus service on 14 National Science Foundation panels

Mentorship

Postdoctoral Fellows Supervised: 5

Graduate Students Supervised: 13

Visiting Graduate Student Supervised: 1
Graduate Student Research Rotations: >21

Graduate Student Dissertation Committee Member: 30

Master in the Arts of Teaching (MAT) graduate students mentored in field research: 4

Teachers mentored in field research: 9

Undergraduate, High School, and Middle School Student Researchers Supervised: >100

Laboratory technicians: 4

Professional development activities

2020-2021	Faculty Learning Community course entitled "Celebration of Diversity through Course Development" at UGA.
2020	Academics for Black Survival and Wellness, online.
2019	Mentor training for NIH trainers (8 hours), based on the CIMER curriculum
2017	Safe Space training (4 hours), UGA LGBT Resource Center
2016-present	Diversity and Inclusion training. Attended > 10 workshops on Diversity, Equity and Inclusion through UGA's Office for Institutional Diversity, ranging from Mental Health to Anti-Harassment training. I am completing the Certificate in Diversity and Inclusion.
2013-present	Curriculum development for high school summer field course at the Rocky Mountain Biological Laboratory. I collaborated with Ms. Lisa Hart, middle and high school math and science teacher from Crested Butte Community School (Colorado) to design the course. Hart and I co-taught the course in 2014 and 2015. I co-taught the course with Ms. Erin Fabbre in 2016-2019, and with Ann Colbert in 2020 and 2021.
2010-present	Instructor in (1) workshops for students on experimental design and field studies every year and (2) global change biology presentations to the public in 2013 and 2015. (3) Participant in panel discussions on diversity in ecology and evolutionary biology at the Rocky Mountain Biological Laboratory.
2012-2014	Judge for University of South Carolina Science and Engineering Fair (high school juniors and seniors and middle school students), and for South Carolina Alliance for Minority Participation Science Fair.
2011	Participant in molecular biology and genomics working group hosted by the National Association of Marine Laboratories and the Organization of Biological Field Stations. Colorado Springs, Colorado.
2006	Co-organizer of Scientific Careers Discussion Panels for graduate students on research ethics, and grant and manuscript review, Ecology and Evolutionary Biology Department, Cornell University.

Other Service

2023-present	Member of research evaluation committee, Rocky Mountain Biological Laboratory
2019-present	Promotion and Tenure committee, Odum School of Ecology, University of Georgia
2019-present	Diversity, Equity and Inclusion committee, Genetics Department, University of Georgia
2015-present	Graduate affairs committee, Genetics Department, University of Georgia

2023-2024	Search committee chair, tenure track Assistant Professor in Evolutionary Ecology, Odum School of Ecology
2022-2023	Search committee, Dean of the Odum School of Ecology, University of Georgia
2021-2022	Search committee, Quantitative Disease Ecologist, Odum School of Ecology, University of Georgia
2020-2021	Member of review committee for the Odum School of Ecology tasked by Provost Hu to conduct a programmatic review and serve as the search committee for the new dean.
2020-2023	Member of Graduate Council, elected representative of Franklin College University of Georgia
2020-2023	Associate Graduate Affairs Coordinator, Genetics Department, University of Georgia
2019-2020	Rigor and Reproducibility committee, Genetics Department, University of Georgia
2018-2020	Board of Trustees, Rocky Mountain Biological Laboratory
2018-2020	Chair of Seminar Committee, Odum School of Ecology, University of Georgia
2019-2020	Graduate admissions committee, Integrated Plant Sciences, University of Georgia
2020-present	External evaluator for 4 Tenure and Promotion cases
2018-2019	Search Committee, Aboveground Plant Ecologist, Plant Biology, University of Georgia
2016-2019	Diversity committee, Odum School of Ecology, University of Georgia
2017-2018	Search Committee, Integrative Organismal Ecologist, Odum School of Ecology, University of Georgia
2016-2017	Search Committee, Plant Ecologist endowed chair, Plant Biology department, University of Georgia
2016-2018	Executive committee member, Odum School of Ecology, University of Georgia
2017-2018	Steering committee member, Odum School of Ecology, University of Georgia
2015-2016	Search committee, Lecturer position, Odum School of Ecology, University of Georgia
2013-2014	Chair of the Plant Sciences Group. Department of Biological Sciences. University of South Carolina
2013-2014	Graduate admissions committee, Master of Earth & Environmental Resource Management. Environment and Sustainability Program. University of South Carolina
2012-2013	Faculty search committee, Plant Biochemist position. Department of Biological Sciences. University of South Carolina