**MATTHEW A. MCCARY**
Rice University
Department of BioSciences
6100 Main St., MS-140, Houston, TX 77005
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## EDUCATION

2016 Ph.D., University of Illinois Chicago, Biological Sciences
2010 B.A., North Central College, Biology

## RESEARCH AND PROFESSIONAL APPOINTMENTS

2024-present Resident Faculty Associate, McMurtry College, Rice University
2021-present Assistant Professor, Department of BioSciences, Rice University
2020 Ford Foundation Postdoctoral Research Fellow, Yale University
2017-2019 NSF Postdoctoral Research Fellow, University of Wisconsin Madison

## AWARDS, HONORS, AND FELLOWSHIPS

2026-2028 Early-Career Research Fellow, Environment Track, Gulf Research Program, National Academies of Sciences, Engineering, and Medicine ($76,000). *Selected; public announcement scheduled for December 2026*.
2022-2026 Early-Career Fellow, Ecological Society of America
2022-present Sigma Xi International Scientific Research Honor Society
2021 Diversity, Inclusion, Equity, and Belonging Award ($750), Department of Ecology and Evolution, Rutgers University
2020 Ford Foundation Postdoctoral Research Fellowship Program ($50,000), School of the Environment, Yale University
2017-2019 NSF Postdoctoral Research Fellowship in Biology ($207,000), Department of Entomology, University of Wisconsin–Madison
2016 Dean's Scholar Graduate Fellowship ($22,000), Graduate College, UIC

## PUBLICATIONS (*Undergraduate mentee, #Graduate student, ǂCo-first author, ¶ Senior author)

**2026**

**McCary, M.A.**, Z.S.E. Fenosoa, J. Montaquila, E.F. Wuesthoff, E. Rajeriarison, E. Matsuda, and A.E. Dunham. 2026. Invasive strawberry guava (*Psidium cattleyanum*) disrupts forest recovery and invertebrate biodiversity in Madagascar's threatened rainforest. *Biological Conservation* 315: 111703.

Pataki, D., P. Groffman, **M.A. McCary**, A. Mize, J. Miller, A. Hines, L. Kaarakka, M. Schuler, and N. Rao. Toward a research agenda for actionable ecological science. 2026. *Frontiers in Ecology and the Environment* e70060.

Campbell, A.[#], J.L. Funk, S. Kuebbing, M.A. Nuñez, G.C. Nunez-Mir, and **M.A. McCary**[¶]. 2026. From the ground up: Can root traits help understand invasion dynamics? *Ecology and Evolution* 16: e74107.

Cid, C., K. Bailey, G. Bowser, M. Ceron-Castilla, W. Recart-Gonzalez, D. Ignace, L. Jablonski, G. Kandlikar, K. Klemow, **M.A. McCary**, G. Middendorf, T. Mourad, R. Newman, L.

Prevost, and B. Soares. 2026. Growing an inclusive ecological professional society for a diverse environmental workforce. *Bulletin of the Ecological Society of America* e70098.

Hsieh, C., **M.A. McCary**, and M. Li. 2026. Management matters: homogenized plant–soil linkages constrain carbon cycling in urban green spaces. *Urban Ecosystems* 29: 95.

Finneran, A.E.[#], C.A. Uribe, K.M. Hung, C. Hsieh, M.A. Wuensch, **M.A. McCary**, and L. Beaudrot. 2026. Food web similarity increases with productivity similarity at a continental scale. *Ecology Letters* 29: e70368.

**McCary**, **M.A.**, E. Auerbach, J.C. Botsch, A.R. McCormick, J.S. Phillips, and A.R. Ives. 2026. Aquatic resource subsidies are more important than invasive lupine for ground-dwelling arthropod communities around Lake Mývatn. *Aquatic Ecology* 60:38.

**2025**

Railsback, S., C. Gallagher, B. Harvey, **M.A. McCary**, and V. Grimm. 2025. Empirical ecology to support mechanistic modelling: Different objectives, better approaches and unique benefits. *Methods in Ecology and Evolution* 16: 1564–1573.

**2024**

Nunez-Mir, G.C.[‡], and **M.A. McCary[‡]**. 2024. Invasive plants and their root traits are linked to the homogenization of soil microbial communities across the United States. *Proceedings of the National Academy of Sciences* 121: e2418632121. ‡Co-first authors

Cheng, Y., B. Deng, P. Scotland, L. Eddy, A. Hassan*, B. Wang, B. Li, K. M. Wyss, M.G. Ucak-Astarlioglu, J. Chen, T. Si, S. Xu, X. Gao, D. Jana, M.A. Torres, M.S. Wong, B.I. Yakobson, C. Griggs, **M.A. McCary**, Y. Zhao, and J.M. Tour. 2024. Electrothermal mineralization of per- and polyfluoroalkyl substances (PFAS) for soil remediation. *Nature Communications* 15: 6117.

Moyano, J., R.D. Dimarco, J. Paritsis, T. Peterson, D.A. Peltzer, K. Crawford, **M.A. McCary**, K.T Davis, A. Pauchard, and M.A. Nuñez. 2024. Unintended consequences of planting native and non-native trees in treeless ecosystems to mitigate climate change. *Journal of Ecology* 112: 2480-2491.

Boldorini, G., **M.A. McCary**, G. Romero, K. Mills, N. Sanders, P. Reich, R. Michalko, and T. Gonçalves-Souza. 2024. Predators control pests and increase yield across crop types and climates. *Proceedings of the Royal Society B* 291: 20232522.

Potapov, A.M., E. Chen [et al., including **M.A. McCary**]. 2024. Global fine-resolution data on springtail abundance and community structure. *Scientific Data* 11: 22.

**2023**

Bertellotti, F.*, N. Sommer, O.J. Schmitz, and **M.A. McCary[¶]**. 2023. Impacts of habitat connectivity on grassland arthropod metacommunity structure: a field-based experimental test of theory. *Ecology and Evolution* 13: e10686.

Wise, D.H., R.M. Mores, J.M. Pajda-De La O, and **M.A. McCary[¶]**. 2023. Temporal constancy in the structure of a spider-focused food web with high rates of intraguild predation. *PLoS ONE* 18: e0293176.

Sponberg, A., **M.A. McCary**, C. O'Riordan, P. Padilla, and R.L. Wallace. 2023. Rethinking scholarly communication. *Frontiers in Ecology and the Environment* 21:307.

Yitbarek, Y., K. Chen, M. Celestin[#], and **M.A. McCary[¶]**. 2023. Urban mosquito distributions are modulated by socioeconomic status and environmental traits in the USA. *Ecological Applications* 33: e2869.

Potapov, A.M., C.A. Guerra [et al., including **M.A. McCary**]. 2023. Globally invariant metabolism but density-diversity mismatch in springtails. *Nature Communications* 14: 674.

Cheng, S.J., K.M. Gaynor, A.C. Moore, K. Darragh, C.O. Estien, J.W. Hammond, K.L. Mills, C. Lawrence, M.D. Baiz, L. Khadempour, **M.A. McCary**, D. Ignace, M.M. Rice, S.J. Tumber-Dávila, and J.A. Smith. 2023. Championing inclusive terminology in ecology and evolution. *Trends in Ecology and Evolution* 38: 381–384.

**2022**

Ferraro, K., O.J. Schmitz, and **M.A. McCary[¶]**. 2022. Effects of ungulate density and sociality on landscape heterogeneity: a mechanistic modeling approach. *Ecography* e06039.

Kuebbing, S.[ǂ], **M.A. McCary[ǂ]**, D. Lieurance, M.A. Nuñez, M.C. Chiuffo, B. Zhang, H. Seebens, D. Simberloff, and L.A. Meyerson. 2022. A self-study of editorial board diversity at *Biological Invasions*. *Biological Invasions* 24: 321-332. **ǂ** co-first authors

Nuñez, M.A., M.C. Chiuffo, H. Seebens, S. Kuebbing, **M.A. McCary**, D. Lieurance, B. Zhang, D. Simberloff, and L.A. Meyerson. 2022. Two decades of data reveal that *Biological Invasions* needs to increase participation beyond North America, Europe, and Australasia. *Biological Invasions* 24: 333–340.

Lieurance, D., S. Kuebbing, **M.A. McCary**, and Martin A. Nuñez. 2022. Words matter: How to increase gender and LGBTQIA+ inclusivity at *Biological Invasions*. *Biological Invasions* 24: 341–344.

**2021**

Yitbarek, S., K. Bailey, S. Tyler, J. Strickland, **M.A. McCary**, and N. Harris. 2021. Inclusive sustainability approaches in common-pool resources from the perspective of blackologists. *Bioscience* 71: 741–749.

**McCary, M.A.**, M.D. Kasprzak, J.C. Botsch, D. Hoekman, R.D. Jackson, and C. Gratton. 2021. Aquatic insect subsidies influence microbial composition and processing of detritus in near-shore subarctic heathland. *Oikos* 130: 1523–1534.

**McCary, M.A.**, and O.J. Schmitz. 2021. Invertebrate functional traits and terrestrial nutrient cycling: insights from a global meta-analysis. *Journal of Animal Ecology* 90: 1714–1726.

**McCary, M.A.**, R.D. Jackson, and C. Gratton. 2021. Vegetation structure modulates ecosystem and community responses to spatial subsidies. *Ecosphere* 12: e03483.

**McCary, M.A.[ǂ]**, J.S. Phillips[ǂ], T. Ramiadantsoa, L.A. Nell, A.R. McCormick, and J.C. Botsch. 2021. Transient top-down and bottom-up effects of resources pulsed to multiple trophic levels. *Ecology* 102: e02593. **ǂ** co-first authors

**Before 2020**

**McCary, M.A.**, and D.H. Wise. 2019. Plant invader alters soil food web via changes to fungal resources. *Oecologia* 191: 587–599.

Hoekman, D., **McCary, M.A.,** J. Dryer, and C. Gratton. 2019. Reducing allochthonous resources in a subarctic grassland alters arthropod food webs via predator diet and density. *Ecosphere* 10: e02593.

**McCary, M.A.**, M. Zellner, and D.H. Wise. 2019. The role of plant-mycorrhizal mutualisms in deterring plant invasions: insights from an individual-based model. *Ecology and Evolution* 9: 2018–2030.

**McCary, M.A.**, E. Minor, and D.H. Wise. 2018. Covariation between local and landscape factors influences the structure of ground-active arthropod communities in fragmented metropolitan woodlands. *Landscape Ecology* 33: 225–239.

**McCary, M.A.**, R. Mores, M. Farfan, and D.H. Wise. 2016. Invasive plants have different effects on trophic structure of green and brown food webs in terrestrial ecosystems: a meta-analysis. *Ecology Letters* 19: 328–335.

**McCary, M.A.**, J.C. Martinez, L. Umek, L. Heneghan, and D.H. Wise. 2015. Effects of woodland restoration and management on the community of surface-active arthropods in the metropolitan Chicago region. *Biological Conservation* 190: 154–166.

**Manuscripts invited for resubmission**

Subalusky, A. E. le Roux, J. Kristensen, A. Abraham, E. S. Bakker, C. Bello, F. Berzaghi, R. Buitenwerf, J. Bump, C. Doughty, C. Dutton, E. Duvall, K. Ferraro, E. Forbes, U. Gelin, A. L. González, D. Hawlena, R. Jaafar, F.X. Joly, A. Koltz, A. Larsen, J. Larsen, S. Leroux, M. Losada, **M.A. McCary**, G. A. Meyer, H. Olde Venterink, D. Orr, C. Owens, L. Ribeiro, M. Rizzuto, J. Roman, O. Schmitz, M. Sobral, D. Ellis Soto, J.-C. Svenning, C. Twining, J. Trepel, M. Veldhuis, B. Wijas, A. Zanne, N. Villar, and J. Schoelynck. Zoogeochemistry: the role of animals in biogeochemical cycles. *Functional Ecology*.

DeBellis, L.*, and **M.A. McCary¶**. Woody plant encroachment alters vector-host-pathogen dynamics: a spatially explicit model of tick-borne disease transmission. *Individual-Based Ecology*.

**Manuscripts under review**

Leung, C.A.*, and **M.A. McCary¶**. Predator-prey interactions are disrupted under simulated heatwave conditions. *Ecology*.

Imming, N. A.*, **M.A. McCary**, and J.R. Holt. Impact of insect herbivores on Sorghum aboveground and belowground productivity. *Journal of Plant Interactions*.

Finneran, A.E.[#], A. Dunham, L. Beaudrot, and **M.A. McCary¶**. Regenerating tropical forests at La Selva support diverse but more compositionally variable vertebrate communities than primary forests. *Biotropica*.

Jimoh, S.O., C.M.M. DeSisto, J. Montaquila, A.B.J. Martin, I. Moore, A. Razafindrakoto, H.N. Ravelonjanahary, P.C. Wright, A.E. Dunham, and **M.A. McCary¶**. Divergent responses of bacteria and fungi to plant invasion in Madagascar's threatened rainforest. *Global Change Biology Communications*.

**Submitted**

Martin, A.B.[#], C.C. Oxley, K.M. Crawford, D.A. Williams, T. Dong, T. Zhang, J. Liu, M. Qin, A.D. Keiser, J.H. Leebens-Mack, T.E.X. Miller, **M.A. McCary¶**. The hidden influence of plant sex on belowground biodiversity and food web structure. *Functional Ecology*.

Zhang, Y., D. Tian, H. Zou, J. Li, **M.A. McCary**, Y. Geng, T. Dong. Plant-herbivore stoichiometric mismatch mediates insect growth under nitrogen enrichment. *Plant Diversity*.

## RESEARCH FUNDING AND COLLABORATIVE SUPPORT

### Research grants

2025-2030 NSF (Population and Community Ecology, $1,257,808). CAREER: The role of above-and-belowground traits in plant invasions: implications for community and ecosystem dynamics. PI: **M.A. McCary**.

2025-2028 Rice University's Rapid Response BRIDGE Fund ($33,212). Ecology while Black: race, inequality, and the struggle for belonging in nature. Co-PIs: S. Evans and **M.A. McCary**.

2025-2027 The Cynthia & George Mitchell Foundation ($10,000). Above- and belowground habitat value: conservation tradeoffs for reconciling soil biodiversity and ecosystem functioning. PI: **M.A. McCary**.

2022-2024 NSF (Biodiversity on a Changing Planet, $517,312). Functional divergence between females and males: consequences of climate-induced shifts in composition of dioecious plant populations. PI: T.E.X. Miller; Co-PIs: A. Keiser, **M.A. McCary**, K. Crawford, J. H. Leebens-Mack.

2022-2024 Rice University's Creative Ventures Fund ($50,000). Sustainable futures in a biodiversity hotspot: Assessing conservation values of traditional use forests in Madagascar. PI: A. Dunham; Co-PIs: C. Masiello, **M.A. McCary**, J. Blackburn, A. Pinn.

2022-2024 Texas Ecological Laboratory ($10,221). Collateral damage: understanding how shrub encroachment into grasslands affects tick-borne disease dynamics. PI: **M.A. McCary**; Co-PI: M. Celestin[#]. # Graduate student

### Funded working groups and research networks

2026-2028 Forest Invasion Synthesis Centre, competitively selected funded working group. BioAI: Leveraging global datasets and artificial intelligence to predict forest invasions. **M.A. McCary** (lead) and C. Uribe.

2026-2028 Ken Kennedy Institute, Rice University, competitively selected and funded working group. AI for Ecology. C. Uribe (lead), **M.A. McCary**, S. Dee, F. Viens, M. Schneider, A.E. Dunham.

## INVITED PROFESSIONAL PRESENTATIONS

### Invited keynote address:

2025 Ecology in the Anthropocene: Mapping the Hidden Links Between Soil, Plants, and Planet. Houston Ecology and Evolution Symposium, Houston, TX.

2024 Environmental Biology for a Sustainable and Equitable 21st Century: The Need for Diversity to Secure Ecosystem and Human Health. Inaugural Distinguished Science Lecture, D.R. Semmes School of Science, Trinity University.

### Invited research seminars:

2026 Ecology and Evolution Department, University of Chicago, Chicago, IL.

2025 Ecology, Evolution, and Behavior (EEB), Michigan State University, East Lansing, MI.

2025 The Native Plant Society of New Jersey Research Seminar, NJ (virtual).

2025 Science Colloquium Series, Texas A&M at Texarkana, Texarkana, TX (virtual).

2025 Ecology and Evolution Program, University of California at Davis, Davis, CA (virtual).

2025 Eawag, Swiss Federal Institute of Aquatic Science and Technology, Dübendorf,

Switzerland (virtual).
2024 Ecology Center, Utah State University, Logan, UT.
2024 Department of Biology, University of Texas, Arlington, TX.
2024 Department of Ecology and Evolutionary Biology, University of Michigan Biological Station, Pellston, MI.
2024 Ecology, Evolution, and Behavior Department, University of Minnesota, Minneapolis, MN.
2024 Ecology and Evolutionary Biology Program, University of Wyoming, Laramie, WY.
2023 Division of Biological Sciences. University of Missouri, Columbia, MO.
2023 Department of Earth and Environmental Sciences. Rutgers University at Newark, Newark, NJ.
2023 Department of Ecology and Evolutionary Biology. University of Michigan, Ann Arbor, MI.
2022 Department of Biology. Southwestern University, Georgetown, TX.
2022 Department of Biology. University of North Carolina, Chapel Hill, NC (virtual).
2022 Goldschmidt Lecture Series. Sigma Xi, Houston, TX Chapter (virtual).
2022 Department of Ecology, Evolution, and Organismal Biology. Ohio State University, Columbus, OH (virtual).
2022 Department of Biology. North Central College, Naperville, IL (virtual).
2021 Department of Biology. Indiana University, Bloomington, IN.
2021 Department of Biological Sciences. University of Illinois, Chicago, IL.
2021 Department of Biology. Stanford University, Stanford, CA (virtual).
2021 Natural Sciences Seminar series. Washington State University at Vancouver, Vancouver, WA (virtual).
2021 Biological and Environmental Science Colloquium. University of Rhode Island, Kingston, RI (virtual).
2021 Department of Ecology and Evolution. Rutgers University, New Brunswick, NJ (virtual).
2021 Department of Ecology, Evolution, and Organismal Biology, Kennesaw State University, Marietta, GA (virtual).
2021 Department of Biology and Biochemistry, University of Houston, Houston, TX (virtual).
2020 Department of Ecology, Evolution, and Marine Biology, University of California, Santa Barbara, CA (virtual).
2020 Department of Entomology, Kansas State University, Manhattan, KS (virtual).
2020 School of the Environment, Yale University, New Haven, CT.
2019 Department of BioSciences, Rice University, Houston, TX.
2019 Department of Botany, University of Wisconsin, Madison, WI.
2019 Department of Biology, University of Pittsburgh, Pittsburgh, PA.
2019 Department of Biology, Lawrence University, Appleton, WI.
2019 Center for Limnology, University of Wisconsin, Madison, WI.
2018 Department of Entomology, Purdue University, West Lafayette, IN.
2018 Department of Natural and Applied Sciences, University of Wisconsin, Green Bay, WI.
2018 Department of Entomology, University of Wisconsin, Madison, WI.
2015 Elmer Hadley Research Fund. University of Illinois, Chicago, IL.

**Invited symposium presentations**

2023 Making ecology more diverse, inclusive, and equitable through the efforts of Black ecologists within ESA. Ecological Society of America Meeting, Portland, Oregon.

2023 Using individual-based modeling to understand the causes and consequences of plant invasions, Ecological Society of America Meeting, Portland, OR.

2022 Do resource subsidies alter energy flows through soil food webs? Implications for C and N cycling in subarctic Iceland. The Next "Black Box": The Role of Soil Invertebrates in Plant-Soil Interactions, Ecological Society of America Meeting, Montreal, Canada.

2019 Aquatic insects alter terrestrial ecosystems: lessons from subarctic Iceland. Recent Approaches to Studying Invertebrate Responses to Rapid Environmental Change, Entomological Society of America Meeting, St. Louis, MO.

2018 Emergent aquatic insects alter plant composition and litter decomposition: lessons from subarctic Iceland. Wisconsin Ecology Fall Symposium, University of Wisconsin, Madison, WI.

2017 A mechanistic model to explain how plant-mycorrhizal disruptions can lead to invasion success: implications for biodiversity conservation and management. Linking Management, Biodiversity, and Ecosystem Services Via Mechanistic Models, Ecological Society of America Meeting, Portland, OR.

2016. Consequences of invasion: evaluating how invasive alien plants alter the structure of food webs in woodland ecosystems. Invaders in Food Webs: Using Trophic Structure to Predict Invasibility and Invader Impact, Ecological Society of America Meeting, Fort Lauderdale, FL.

2015 The cascading effects of invasive alien plants on the structure of belowground food webs in woodland ecosystems. Invasive Plant Symposium: Biotic Interactions with Invasive Species, North Central Weed Science Society Annual Meeting, Indianapolis, IN.

**ORGANIZED SYMPOSIUM, SPECIAL SESSIONS, AND WORKSHOPS**

2026 **Session organizer**, "Ten Years of the Black Ecologists Section: Reflecting On Our Roots, Building Our Future". Ecological Society of America Meeting, Salt Lake City, UT. **M.A. McCary** (lead) and K. Bailey (co-organizer).

2025 **Workshop host**, Meta-Analysis in Ecology. Ecological Society of America; Webinar Series on Quantitative Methods in Ecology. **M.A. McCary**.

2024 **Session organizer**, "Creating Safe and Inclusive Spaces to Support Early Career Scientists: Lessons From Diverse Communities Within ESA." Ecological Society of America Meeting (ESA), Long Beach, CA. **M.A. McCary** (lead) and K. Bailey (co-organizer).

2023 Field trip host, SEEDS (Strategies for Ecology Education, Diversity, and Sustainability) National Field Trip for underrepresented minority undergraduates, Rice University, Houston, TX. **M.A. McCary** (lead), F. Abbott, K. Bailey, C. Nilon.

2023 **Symposium co-organizer**, "Yes Ecologists Can: Models and Field Studies for 21st Century Problems." Ecological Society of America Meeting, Portland, OR. S. Railsback and **M.A. McCary** (co-organizer).

2022 **Symposium organizer**, "Applied ecology for 21st-century environmental solutions requires the need for diverse perspectives." Ecological Society of America Meeting, Montreal, Canada. **M.A. McCary**.

## TEACHING EXPERIENCE

2023-present **Instructor**, Insect Biology (BIOS 326), Department of BioSciences, Rice University.
2024 **Co-Instructor**, Climate Change, Economics, and the Wine Industry (EEPS 234), Department of Earth and Planetary Sciences, Rice University.
2022-present **Instructor**, Topics in Ecology (BIOS 563), Department of BioSciences, Rice University.
2018 **Co-Instructor**, Basic and Applied Insect Ecology Lab (ENTO 451), Department of Entomology, University of Wisconsin at Madison.
2014-2016 **Teaching Assistantship**, General Ecology Lab (BIOS 331), Department of Biological Sciences, University of Illinois at Chicago.
2012-2013 **Teaching Assistantship**, Biology of Populations and Communities (BIOS 101), Department of Biological Sciences, University of Illinois at Chicago.
2010-2011 **Teaching Assistantship**, Biology of Cells and Organisms (BIOS 100), Department of Biological Sciences, University of Illinois at Chicago.

## RESEARCH MENTORING

### Postdoctoral associates

2025-present Saheed Jimoh, postdoctoral associate
2025-present Maryam Enteshari, visiting postdoctoral associate

### Graduate students

2025-present Brooke Beardshall, PhD Student (2026 NSF GRFP Honorable Mention)
2024-present Ann Finneran, PhD Candidate (Formerly advised by Dr. Lydia Beaudrot [2022-2024], 2024 NSF GRFP Fellow)
2023-present Ruddy Alexandra Bradley Jiménez-Martin (Co-Advised with Dr. Tom Miller, 2025 NSF GRFP Fellow)
2021-present Modeline Celestin, PhD Candidate (2022 Ford Foundation Predoctoral Fellow)
2021-present Amoi Campbell, PhD Candidate (2022 Ford Foundation Predoctoral Fellow Honorable Mention)

### Technicians and post-baccalaureate students

2025-present Luis Muniz, Research technician
2025-present Iliana Moore, Lab manager
2023-2024 Reginald Johnson, Research technician
2023-2024 Da'Janae Pearson, Post-baccalaureate student (Co-Advised with Dr. Tom Miller)
2023-2024 Christopher Oxley, Research technician (Co-Advised with Dr. Tom Miller)
2023 Jeremy Pustilnik, Research technician

### Undergraduate students

2026-present Noemi Torres-Zazueta, Undergraduate research assistant
2026-present Gracie Lee, BIOS 310 student
2026-present Alara Seeborg, BIOS 310 student
2026 Nadia Jett, REU student
2025-2026 Elizaveta Plis, Undergraduate research assistant
2024-2025 Anna Evans, Undergraduate research assistant

2024-2025 Anoushka Mahendra-Rajah, BIOS 310 student
2023-2025 Nicole Imming, BIOS 310 student
2023-2024 Caroline Leung, Senior Thesis student
2022-2025 Lily Burdett, Undergraduate research assistant
2023-2024 Alondra Franco, Undergraduate research assistant
2023 Arman Hassan, Summer research assistant
2023 Nicholas Arrendodo, Summer Undergraduate Research Fellow
2023 Brendan Oloughlin, Summer research assistant
2023 Annie Huddleston, REU student (Co-Advised with Dr. Jocelyn Holt)
2022-2023 Ling DeBellis, Senior Thesis student
2021-2022 Ashley Fitzpatrick, BIOS 310 student

**GRADUATE THESIS COMMITTEES**

2026-present Lydia Cox, Rice University (Advisor: Dr. Volker Rudolf)
2025-present Julia Martin, Rice University (Advisor: Dr. Tom Miller)
2025-present Akiem Gough, Rice University (Advisor: Dr. Tom Miller)
2025-present Deron-Jay Bakker (Advisor: Dr. Sven Kranz)
2023-present Tess Peterson, University of Houston (Advisor: Dr. Martin A. Nuñez)
2023-present Julieanne Montaquila, Rice University (Advisor: Dr. Amy Dunham)
2022-present Clark Hamor, Rice University (Advisor: Dr. Yizhi Jane Gao)
2022-present Joyah Watkins, Rice University (Advisor: Dr. Kory Evans)

**Completed**

2026 Sean Trainor, Rice University (Advisor: Dr. Kory Evans)
2026 Hannah Yin, Rice University (Advisor: Dr. Volker Rudolf)
2026 Eric Wuesthoff, Rice University (Advisor: Dr. Amy Dunham)
2025 Camille Carey, Texas A&M University (Advisor: Dr. Doug Tolleson)
2025 Ali Campbell, Rice University (Advisor: Dr. Tom Miller)
2023 Sydney Allen, Doctor of Philosophy, Rice University (Advisor: Dr. Cin-ty Lee)
2023 Kristin Brandon, Master's degree, Rice University (Advisor: Amy Dunham)
2022 Sang-Ho Yoo, Master's degree, University of New Brunswick (Advisor: Dr. Jeff Houlan)

**PROFESSIONAL SERVICE**

**Editorial leadership**

2024-present **Associate Editor**, *Individual-Based Ecology*
2023-present **Associate Editor**, *Journal of Animal Ecology*
2020-present **Associate Editor**, *Biological Invasions*

**Societal service**

2025-2026 **Member**, Search Committee for ESA's next Executive Director
2024-present **Member**, ESA's Task Force Committee to determine society's priority research areas
2023-2025 **Member**, ESA's Mercer Award Committee to select the best research paper by an early-career researcher
2021-2026 **Co-Chair**, Black Ecologist Section of ESA

**University and department service**

2026-2027 **Member**, Committee for Kinesiology Environmental Health Faculty Search
2025-present **Academic Advisor**, Department of BioSciences Ecology and Evolution Major
2024-2025 **Member**, Committee for BioSciences Evolutionary Biology Faculty Search
2023-2024 **Member**, Committee for BioSciences Faculty Search
2022-present **Member**, Environmental Initiative Advisory Committee
2022-2025 **Faculty Advisor**, Black Graduate Student Association, Rice University
2021-2022 **Member**, Committee for EEB Faculty Fellow Search
2021-present **Member**, Committee for EEB Graduate Recruitment and Evaluation