





Tad Dallas

Assistant professor, U of South Carolina, Biological Sciences

theory + ecology

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Experience

| Dates | Position | Institution | Location |
|-----------|----------------------------|---|-----------------|
| 2022– | Assistant Professor | Dept of Biological Sciences, University of South Carolina | Columbia, SC |
| 2019–2021 | Assistant Professor | Dept of Biological Sciences, Louisiana State University | Baton Rouge, LA |
| 2018 | Visiting Researcher | Department of Mathematics, Int Uni of Rijeka | Rijeka, Croatia |
| 2015 | Analytics intern | HP Vertica - Big Data Platform Dev Team. | Boston, MA. |

Education

| Institution | Mentor | Location | Degree or Position | Completion Date |
|--------------------------|-----------------|-----------------|-------------------------|-----------------|
| Truman State University | – | Kirksville, MO. | Biology. B.Sc. | 2009 |
| Truman State University | Stephanie Fore | Kirksville, MO. | Biology. M.Sc. | 2010 |
| University of Georgia | John Drake | Athens, GA | Ecology Ph.D | 2016 |
| University of California | Alan Hastings | Davis | Postdoctoral Researcher | 2018 |
| University of Helsinki | Otso Ovaskainen | Finland | Postdoctoral Researcher | 2019 |

Publications

1. T Dallas, C Ten Caten. **2025**. Linking geographic distribution and niche through estimation of niche density. *Journal of Animal Ecology*
2. L Carneiro, et al.. **2025**. Typology of the ecological impacts of biological invasions. *Trends in Ecology & Evolution*
3. C Ten Caten, T Dallas. **2025**. Population variability across geographic ranges: perspectives and challenges. *Proceedings of the Royal Society B*
4. C Ten Caten, T Dallas. **2024**. Latitudinal specificity of plant-avian frugivore interactions. *Journal of Animal Ecology*
5. T Dallas, LA Holian, C Ten Caten. **2024**. Geographic and temporal distance-decay relationships across taxa. *Oikos*
6. J McKee, T Dallas. **2024**. Structural network characteristics affect epidemic severity and prediction in social contact networks. *Infectious Disease Modeling*
7. T Dallas, C Ten Caten, LA Holian. **2024**. Temporal variability of carabid beetles as a function of geography, environment, and species. *Theoretical Ecology*
8. C Ten Caten, T Dallas. **2023**. Thinning presence points does not improve species distribution model performance. *Ecosphere*
9. L Holian, C Ten Caten, T Dallas. **2023**. Exploring species diversity across space and time with data from the National Ecological Observatory Network. *Teaching Issues and Experiments in Ecology*
10. T Dallas, B Elderd. **2023**. Mean-variance scaling and stability in commercial sex work networks. *Social Network Analysis and Mining*
11. CA Cleveland, T Dallas, S Vigil, DG Mead, JL Corn, AW Park. **2023**. Vector communities under global change may exacerbate and redistribute infectious disease risk. *Parasitology Research*
12. T Dallas, C Carlson, P Stephens, SJ Ryan, D Onstad. **2022**. insectDisease: programmatic access to the Ecological Database of the World's Insect Pathogens. *Ecography*
13. T Dallas, D Kramer. **2022**. A latitudinal signal in the relationship between species geographic range size and climatic niche area. *Ecography*

14. G Foster, BD Elder, RL Richards, T Dallas. **2022**. Estimating R_0 from early exponential growth: Parallels between 1918 influenza and 2020 SARS-CoV-2 pandemics. *PNAS Nexus*
15. T Dallas, G Foster, RL Richards, BD Elder. **2022**. Epidemic time series similarity is related to geographic distance and age structure. *Infectious Disease Modeling*
16. C Ten Caten, L Holian, T Dallas. **2022**. Effects of occupancy estimation on abundance-occupancy relationships. *Biology Letters*
17. LH Antão, B Weigel, G Strona, M Hällfors, E Kaarlejärvi, T Dallas, et al.. **2022**. Climate change reshuffles northern species within their niches. *Nature Climate Change*
18. C Ten Caten, LA Holian, T Dallas. **2022**. Weak but consistent abundance-occupancy relationships across taxa, space, and time. *Global Ecology and Biogeography*
19. RL Richards, LA Holian. **2022**. Infectious disease: Dog diets may drive transmission cycles in human Guinea worm disease. *Current Biology*
20. CJ Carlson, RJ Gibb, GF Albery, L Brierley, RP Connor, T Dallas, EA Eskew, AC Fagre, MJ Farrell, HK Frank, RL Muylaert, T Poisot, AL Rasmussen, SJ Ryan, SN Seifert. **2022**. The Global Virome in One Network (VIRION): an Atlas of Vertebrate-Virus Associations. *mBio*
21. L Fuzessy, G Sobral, D Carreira, DC Rother, G Barbosa, M Landis, M Galetti, T Dallas, VC Cláudio, L Culot, P Jordano. **2022**. Functional roles of frugivores and plants shape hyper-diverse mutualistic interactions under two antagonistic conservation scenarios. *BioTropica*
22. T Dallas, P Jordano. **2022**. Parasite species richness and host range are not spatially conserved. *Global Ecology and Biogeography*
23. O-P Smolander et al.. **2022**. Improved chromosome-level genome assembly of the Glanville fritillary butterfly (*Melitaea cinxia*) integrating Pacific Biosciences long reads and a high-density linkage map. *GigaScience*
24. D Becker, GF Albery, AR Sjödin, T Poisot, T Dallas, EA Eskew, MJ Farrell, S Guth, BA Han, NB Simmons, CJ Carlson. **2022**. Optimising predictive models to prioritise viral discovery in zoonotic reservoirs. *Lancet Microbe*
25. GF Albery, DJ Becker, L Brierley, CE Brook, R Christofferson, L Cohen, T Dallas, EA Eskew, A Fagre, MJ Farrell, E Glennon, AL Rasmussen, SJ Ryan, S Seifert, AR Sjödin, EM Sorrell, CJ Carlson. **2021**. The science of the host-virus network. *Nature Microbiology*
26. T Dallas, A Kramer. **2021**. Temporal variability in population and community dynamics. *Ecology*
27. T Dallas, P Jordano. **2021**. Spatial variation in species roles in host-helminth networks. *Philosophical Transactions B*
28. MJ Farrell, AW Park, C Cressler, T Dallas, S Huang, N Mideo, I Morales-Castilla, TJ Davies, P Stephens. **2021**. The ghost of hosts past: impacts of host extinction on parasite specificity. *Philosophical Transactions B*
29. I Morales-Castilla, P Pappalardo, MJ Farrell, AA Aguirre, S Huang, ALM Gehman, T Dallas, D Gravel, TJ Davies. **2021**. Forecasting parasite sharing under climate change. *Philosophical Transactions B*
30. CJ Carlson, et. al.. **2021**. The future of zoonotic risk prediction. *Philosophical Transactions B*
31. R Gibb, GF Albery, DJ Becker, L Brierley, R Connor, T Dallas, EA Eskew, MJ Farrell, AL Rasmussen, SJ Ryan, A Sweeny, CJ Carlson, T Poisot. **2021**. Data proliferation, reconciliation, and synthesis in viral ecology. *BioScience*
32. T Dallas, BA Melbourne, G Legault, A Hastings. **2021**. Initial abundance and stochasticity influence competitive outcome in communities. *Journal of Animal Ecology*
33. T Poisot, G Bergeron, K Cazelles, T Dallas, D Gravel, A MacDonald, B Mercier, S Vissault. **2021**. Global knowledge gaps in species interaction networks data. *Journal of Biogeography*
34. T Dallas, P Jordano. **2021**. Species-area and network-area relationships in host-helminth interactions. *Proceedings of the Royal Society B*

35. T Dallas, M Saastamoinen, O Ovaskainen. **2020**. Exploring the dimensions of metapopulation persistence: a comparison of structural and temporal measures. *Theoretical Ecology*
36. T Dallas, D Becker. **2020**. Taxonomic resolution affects host-parasite association model performance. *Parasitology*
37. T Dallas, L Santini, R Decker, A Hastings. **2020**. Weighing the evidence for the abundant-centre hypothesis. *Biodiversity Informatics*
38. C Carlson, AJ Phillips, T Dallas, LW Alexander, A Phelan, S Bansal. **2020**. What would it take to describe the global diversity of parasites?. *Proceedings of the Royal Society B*
39. T Dallas, B Melbourne, A Hastings. **2020**. Community context and dispersal stochasticity drive variation in spatial spread. *J Animal Ecology*
40. T Dallas, L Holian, G Foster. **2020**. What determines parasite species richness across host species?. *J Animal Ecology*
41. T Dallas, L Santini. **2020**. The influence of stochasticity, landscape structure, and species traits on abundant-centre relationships. *Ecography*
42. T Dallas, L Santini. **2020**. The abundant-centre is not all that abundant: a comment to Osorio-Olvera et al. 2020. *bioRxiv*
43. T Dallas, LH Antao, J Pöyry, R Leinonen, O Ovaskainen. **2020**. Spatial synchrony is related to the rate of environmental change in Finnish moth communities. *Proceedings of the Royal Society B*
44. E Van Bergen, T Dallas, M Dileo, AO Kahilainen, A Mattila, MS Luoto, M Saastamoinen. **2020**. Summer drought decreases the predictability of local extinctions in a butterfly metapopulation. *Conservation Biology*
45. T Dallas, M Saastamoinen, T Schulz, O Ovaskainen. **2019**. The relative importance of local and regional processes to metapopulation dynamics. *Journal of Animal Ecology*
46. T Dallas, CJ Carlson, T Poisot. **2019**. Testing predictability of disease outbreaks with a simple model of pathogen biogeography. *Royal Society Open Science*
47. T Dallas, A-L Laine, O Ovaskainen. **2019**. Detecting parasite associations within multi-species host and parasite communities. *Proceedings of the Royal Society B*
48. T Dallas, J Pöyry, R Leinonen, O Ovaskainen. **2019**. Temporal sampling and abundance measurement influences support for occupancy–abundance relationships. *Journal of Biogeography*
49. A Norberg, N Abrego Antia, F Guillaume Blanchet, FR Adler, BJ Anderson, J Anttila, MB Araújo, T Dallas, D Dunson, J Elith, S Foster, R Fox, J Franklin, W Godsoe, A Guisan, B O'Hara, NA Hill, RD Holt, FKC Hui, M Husby, JA Kålås, A Lehtikoinen, M Luoto, HK Mod, G Newell, I Renner, TV Roslin, J Soininen, W Thuiller, JP Vanhatalo, D Warton, M White, NE Zimmermann, D Gravel, OT Ovaskainen. **2019**. A comprehensive evaluation of predictive performance of 33 species distribution models at species and community levels. *Ecological Monographs*
50. Cornelius Ruhs, E, Borden, DM, T Dallas, Pitman, E. **2019**. Do feather traits convey information about bird condition during fall migration?. *Wilson Journal of Ornithology*
51. T Dallas, Gehman, AL, Aguirre, AA, Budischak, SA, Drake, JM, Farrell, MJ, Ghai, R, Huang, S, Morales-Castilla, I. **2019**. Contrasting latitudinal gradients of body size in helminth parasites and their hosts. *Global Ecology and Biogeography*
52. T Dallas, Han, BA, Nunn, CL, Park, AW, Stevens, PR, Drake, JM. **2019**. Host traits associated with species roles in parasite sharing networks. *Oikos*
53. T Dallas, Melbourne, BA, Hastings, A. **2018**. When can competition and dispersal lead to checkerboard distributions?. *Journal of Animal Ecology*
54. T Dallas, Hastings, A. **2018**. Habitat suitability estimated by niche models is largely unrelated to species abundance. *Global Ecology and Biogeography*

55. T Dallas, Aguirre, AA, Budischak, S, Carlson, C, Ezenwa, VO, Han, BA, Huang, S, Stevens, PR. **2018**. Gauging support for macroecological patterns in helminth parasites. *Global Ecology and Biogeography*
56. T Dallas, Decker, R, Hastings, A. **2018**. Multiple data sources and freely available code is critical when investigating species distributions and diversity: a response to Knouft (2018). *Ecology Letters*
57. T Dallas, Gehman, AL, Farrell, MJ. **2018**. Variable Bibliographic Database Access Could Limit Reproducibility. *BioScience*
58. AW Park, Farrell, MJ, Schmidt, JP, Huang, S, T Dallas, Pappalardo, P, Drake, JM, Stephens, PR, Poulin, R, Nunn, CL, Davies, TJ. **2018**. Characterizing the phylogenetic specialism-generalism spectrum of mammal parasites. *Proceedings of the Royal Society B*
59. C Carlson, Burgio, K, Dallas, T, Bond, AL. **2018**. Spatial extinction date estimation: a novel method for reconstructing spatiotemporal patterns of extinction and identifying potential zones of rediscovery. *in review*
60. T Dallas, Krkosek, M, Drake, J. **2018**. Experimental evidence of pathogen invasion threshold. *Royal Society Open Science*
61. T Dallas, Poisot, T. **2017**. Compositional turnover in host and parasite communities does not change network structure. *Ecography*
62. T Dallas, Decker, R, Hastings, A. **2017**. Species are not most abundant in the center of their geographic range or climatic niche. *Ecology Letters*
63. C. Carlson, Muellerklein, O, Phillips, AJ, Burgio, KR, Castaldo, G, Cizauskas, CA, Cumming, GS, Dallas, T, Dona, J, Harris, N, Jovani, R, Miao, Z, Proctor, H, Yoon, HS, Getz, W. **2017**. The Parasite Extinction Assessment and Red List – an open-source, online biodiversity database for neglected symbionts.
64. C Carlson, Burgio, K, Dallas, T, Getz, W. **2017**. The mathematics of extinction across scales – from populations to the biosphere. *Mathematics of Planet Earth – Quantitative Approaches to Issues of Current Interest*
65. C Carlson, Burgio, KR, Dougherty, ER, Phillips, AJ, Bueno, VM, Clements, CF, Castaldo, G, Dallas, T, Cizauskas, CA, Cumming, GS, Doña, J, Harris, NC, Jovani, R, Mironov, S, Muellerklein, OC, Proctor, HC, Getz, WM. **2017**. Parasite biodiversity faces extinction and redistribution in a changing climate. *Science Advances*
66. T Dallas, Huang, S, Nunn, CL, Park, AW, Drake, JM. **2017**. Estimating parasite host range. *Proceedings of the Royal Society B*
67. T Dallas, Park, AW, Drake, JM. **2017**. Predicting cryptic links in host-parasite networks. *PLoS Computational Biology*
68. T Dallas, Park, AW, Drake, JM. **2017**. Predictability of helminth parasite host range using information on geography, host traits and parasite community structure. *Parasitology*
69. M Evans, Dallas, T, Han, B, Murdock, CC, Drake, JM. **2016**. Data-driven identification of potential Zika virus vectors. *eLife*
70. T Dallas, Kramer, A, Zokan, M, Drake, JM. **2016**. Ordination obscures the influence of environment on plankton metacommunity structure. *Limnology and Oceanography Letters*
71. T Dallas, Drake, JM. **2016**. Fluctuating temperatures alter environmental pathogen transmission in a Daphnia-pathogen system. *Ecology and Evolution*
72. P. Stephens, Altizer, S, Smith, K, Aguirre, A, Brown, J, Budischak, S, Byers, J, Dallas, T, Davies, J, Drake, J, Ezenwa, V, Farrell, M, Gittleman, J, Han, B, Huang, S, Hutchinson, R, Johnson, P, Nunn, C, Onstad, D, Park, A, Vazquez-Prokopec, G, Schmidt, J, Poulin, R. **2016**. The Macroecology of Infectious Diseases: A New Perspective on Global-scale Drivers of Pathogen Distributions and Impacts. *Ecology Letters*
73. T Dallas. **2016**. helminthR: An R interface to the London Natural History Museum's Host-Parasite Database. *Ecography*

74. T Dallas, Hall, R, Drake, JM. **2016**. Competition-mediated feedbacks in experimental multi-species epizootics. *Ecology*
75. T Dallas, Holtackers, M, Drake, JM. **2016**. Costs of resistance and infection by a generalist pathogen. *Ecology and Evolution*
76. AW Park, Cleveland, C, Dallas, T, Corn, J. **2015**. Vector species richness increases hemorrhagic disease prevalence through functional diversity modulating the duration of seasonal transmission. *Parasitology*
77. T Dallas, Cornelius, E. **2015**. Co-extinction in a host-parasite network: identifying key hosts for network stability. *Nature Scientific Reports*
78. SJ Presley, Dallas, T, Klingbeil, BT, Willig, MR. **2015**. Phylogenetic signals in host-parasite associations for Neotropical bats and Nearctic desert rodents. *Biological Journal of the Linnean Society*
79. T Dallas, Drake, JM. **2014**. Relative Importance of Environmental, Geographic, and Spatial Variables on Zooplankton Metacommunities. *Ecosphere*
80. T Dallas. **2014**. metacom: an R package for the analysis of metacommunity structure. *Ecography*
81. T Dallas, Presley, SJ. **2014**. Relative importance of host environment, transmission potential, and host phylogeny to the structure of parasite metacommunities. *Oikos*
82. HJ Kim, Cavanaugh, JE, Dallas, T, Fore, S. **2014**. Model selection criteria for count data with overdispersion and its application to the host-parasite relationship. *Environmental and Ecological Statistics*
83. T Dallas, Drake, JM. **2013**. Nitrate enrichment alters a Daphnia-microparasite interaction through multiple pathways. *Ecology and Evolution*
84. T Dallas, Fore, S. **2013**. Chemical attraction of Dermacentor variabilis ticks parasitic to Peromyscus leucopus based on host body mass and sex. *Experimental and Applied Acarology*
85. T Dallas, Fore, S, Kim, HJ. **2013**. Modeling the influence of Peromyscus leucopus body mass, sex and habitat on immature Dermacentor variabilis burdens. *Journal of Vector Ecology*

Book chapters

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| 2025 | Biotic Interactions across Gradients and Scales: Towards a Synthesis on the Organization of the Web of Life Multitrophic Interactions Involving Parasitism and Pathogens (Tad Dallas and Kevin Lafferty) |
| 2024 | Handbook of Visual, Experimental and Computational Mathematics Preparing for the Next Pandemic: Learning Lessons from the Recent Past (Bret Elderd, Tad Dallas, Grant Foster, Robert Richards) |

Software

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| metacom | Analysis of metacommunity structure (CRAN) http://cran.r-project.org/web/packages/metacom/ |
| insectDisease | Access to the Ecological Database of the World's Insect Pathogens (CRAN) https://github.com/viralemergence/insectDisease |
| helminthR | Portal to London Natural History Museum host-helminth database (CRAN) https://cran.r-project.org/web/packages/helminthR/index.html |
| Hmsc | Hierarchical modeling of species communities (CRAN) https://cran.r-project.org/web/packages/Hmsc/index.html |
| spatExtinct | Spatially interpolated extinction date estimation (GitHub) http://github.com/cjcarlson/spatExtinct |

Presentations

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| 2025 | Invited Keynote (University of Georgia) Hosted by Graduate student symposium. |
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- 2024 **CEID vector-borne disease working group (University of Georgia)**
- 2024 **Guest lecture in Infectious Disease Modeling (EPID 394) (Arnold School of Public Health)**
Hosted by Melissa Nolan.
- 2024 **American Society of Limnology and Oceanography (Wisconsin)**
- 2024 **Ecological Society of Japan meeting (Japan)**
- 2024 **Ecological Society of America meeting (California)**
- 2024 **Big Data Health Science Conference (U of SC)**
- 2023 **Invited seminar (U of Georgia)**
Hosted by John Drake.
- 2023 **Octoberbest teaching symposium (U of SC)**
- 2023 **Invited seminar (University of South Florida)**
Hosted by Andrew Kramer.
- 2022 **Invited seminar (U of SC)**
Hosted by "Mathematical Foundations of Data Science" group.
- 2022 **Departmental seminar (U of SC)**
- 2022 **Invited seminar (Duke University)**
Hosted by Jean-Philippe Gibert.
- 2022 **Ecological Society of America meeting (Montreal)**
- 2022 **British Ecological Society; Macroecology group (UK)**
- 2022 **Ecology and Evolution of Infectious Disease (virtual)**
- 2021 **Science and Spirits (invited seminar) (LSU)**
- 2021 **Invited seminar (U of SC)**
Hosted by Tammi Richardson.
- 2021 **Invited seminar (Truman State University)**
- 2019 **Invited seminar (International University of Rijeka)**
Hosted by Danijel Krismanic.
- 2018 **Invited seminar (Osnabruck University)**
Hosted by Frank Hilker.
- 2018 **Invited seminar (McGill University)**
Hosted by Rowan Barrett.
- 2018 **Invited seminar (University of Arkansas)**
Hosted by John David Wilson.
- 2018 **Invited seminar (Louisiana State University)**
Hosted by Bret Elderd.
- 2018 **Invited seminar (University of California - Los Angeles)**
Hosted by Jamie Lloyd-Smith.
- 2017 **Society for Mathematical Biology (Utah)**
- 2016 **Dissertation defense (Georgia)**
Hosted by John Drake.
- 2015 **Ecological Society of America meeting ()**
- 2014 **Ecology and Evolution of Infectious Disease (Colorado)**
- 2014 **Ecological Society of America meeting (California)**

2012 **98th annual American Society for Microbiology (Georgia)**

Teaching

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| 2025 | Biological data science (biol 599) | – students |
| 2025 | Parasitology (biol 531/epid 661/enhs 661) | 17 students |
| 2024 | Ecology and Evolution (biol 301) | 24 students |
| 2024 | Parasitology (biol 531/epid 661/enhs 661) | 12 students |
| 2023 | Ecoinformatics (biol 599) | 8 students |
| 2023 | Website development (graduate seminar) | 20 students |
| 2023 | Theoretical ecology (biol 599/765) | 15 students |
| 2022 | Reproducible research in R (biol 599) | 12 students |
| 2020 | Vector-borne disease (graduate seminar) | 10 students |
| 2020 | Reproducible research in R (biol 4800) | 15 students |
| 2019, 2021 | Principles of ecology (biol 4253) | 35; 80 students |

Funding

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| 2025-2027 | popClimVar: Climatic variability and fluctuating populations Earth Science Inclusion and Innovation Lab | \$62,800 |
| 2024-2027 | NSF CISE “Towards a wormier world: Augmenting and georeferencing the largest host-helminth database” National Science Foundation | \$792,000 |
| 2024-2026 | NSF DEB “Linking environmental variability and species-environment relationships to understand fluctuating populations” National Science Foundation | \$199,000 |
| 2023-2027 | Infectious Disease Translational Research Institute U of SC center grant | \$2,000,000 |
| 2023-2024 | NIH R25 Big Data Health Science training grant NIH-R25 (AI164581-02) | \$30,000 |
| 2023-2024 | SEC Faculty Travel Grant | \$1,200 |
| 2023-2024 | Belle W. Baruch Foundation Visiting Scholar Grants | \$4,990 |
| 2023-2024 | McCausland Innovation Fund | \$15,683 |
| 2022-2023 | Establishing a pigmented yeast microcosm system to understand ecological communities \$15,000 U of SC Aspire (track 1) | |
| 2021-2025 | Actively engaging students in hardware and software development LSU Foundation and LSU College of Science | \$44,000 |
| 2020-2025 | NSF-Macrosystems MSA: Understanding spatial patterns of abundance and occupancy in terms of taxa, traits, and space NSF Macrosystems and NEON-enabled science | \$274,542 |
| 2020-2022 | NSF RAPID: Epidemic control strategies for COVID-19 in age-structured populations: A multi-model approach NSF RAPID | \$200,000 |

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| 2020-2022 | NSF BII-Design: Exploring the ecology and evolution of the global virome with big data and machine learning NSF Bio Institute - Design | \$166,189 |
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Academic service

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| 2025 | Big Data Health Science Conference Poster judge | |
| 2025 | National Science Foundation Panel reviewer | |
| 2025 | CEES Sponsored Summer Internship Program Mentor | |
| 2024 | Response Diversity Working Group invited participant | |
| 2024 | NSF Panel reviewer | |
| 2024 | Society for Open, Reliable, & Transparent Ecology & Evolutionary Biology Invited panel member | |
| 2024 | National Institutes of Health Panel reviewer | |
| 2024 | National Science Foundation Ad hoc reviewer | |
| 2023- | Proceedings of the Royal Society B Editor | |
| 2023- | MIDAS collaboration network Member | |
| 2023 | European Biodiversity Partnership (BIODIVMON) Ad hoc reviewer | |
| 2023 | Environmental Data Science Innovation & Inclusion Lab Summit and workshop | |
| 2023 | InvaPact: Biological Invasions Working Group invited participant | |
| 2020- | Ecology Letters Editor and data editor | |
| 2019-2023 | Ecosphere Editor- disease track | |
| 2019-2020 | LIFEPLAN: A planetary inventory of life Sampling site (Baton Rouge, LA) | |
| 2019- | GitHub Education Campus Advisor | |
| 2019- | The Carpentries Instructor | |

Community engagement

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| 2021-2022 | Futures Fund Coding instructor | |
| 2021-2021 | LSU Science and Spirits podcast Research talk plus associated interview/podcast | |
| 2019-2022 | Front Yard Bikes Volunteer | |

Mentoring

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| 2025- | Briar Ownby-Connolly | Doctoral Dissertation Committee (U of SC, SEOE) |
| 2025- | Evan See | Honor's thesis advisor (U of SC) |

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| 2024- | Genevieve Triplett | Masters thesis committee (U of SC) |
| 2023-2024 | Sophia Vrh | Honor's thesis 2nd reader (U of SC) |
| 2023- | Gabriel Dansereau | Doctoral Dissertation Committee (Université de Montréal) |
| 2023- | Laurent Duverglas | Doctoral Dissertation Committee (U of SC) |
| 2023- | Anthony Pignatelli | Doctoral Dissertation Committee (U of SC) |
| 2022-2024 | Caitlyn Mettetal | Masters thesis committee (U of SC) |
| 2022-2024 | Nayan Mallick | Doctoral Dissertation Committee (U of SC, SEOE) |
| 2022-2023 | Kayla Bramlett | Masters thesis committee (U of SC, Arnold School of Public Health) |
| 2022- | Alexander Barth | Doctoral Dissertation Committee (U of SC) |
| 2021-2024 | Victoria Chebotaeva | Doctoral Dissertation Committee (U of SC, Math) |
| 2021- | Birch Lazo-Murphy | Doctoral Dissertation Committee (U of SC, SEOE) |
| 2021- | Wissam Jawad | Doctoral Dissertation Committee (LSU) |
| 2021- | Lauren Holian | Doctoral Dissertation Committee (U of SC) |
| 2020- | Grant Foster | Doctoral Dissertation Committee (U of SC) |
| 2019-2025 | Cleber Ten Caten | Doctoral Dissertation Committee (U of SC) |
| 2019- | Jason Janeaux | Doctoral Dissertation Committee (LSU) |

Undergraduate research

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|-----------|---------------------------|--------------------|
| 2025- | Maven Rose Busby | () |
| 2025- | Riley O'Hare | () |
| 2025- | Madeline Ronningen | () |
| 2025- | Cheyenne Chen | () |
| 2025- | Addy Rose McClure | () |
| 2025- | Jaden Conner | () |
| 2025- | Joshua Nolan | () |
| 2025 | Jordan Maybank | (Biology) |
| 2024- | Anthony Maione | (Biology) |
| 2024- | Nicholas Christov | (Biology) |
| 2023-2024 | Sarah Pence | (Public health) |
| 2023- | Cayden Scruggs | (Computer science) |
| 2022-2024 | Aaron Kucinski | (Biology) |
| 2022-2023 | Sayi Sathish Kumar | (Biology) |
| 2022-2023 | Bailey Kane | (Biology) |
| 2022- | Hilde Tollfesen | (Biology) |
| 2022- | Nabeeha Baig | (Public health) |
| 2020-2024 | Anandita Verma | (Biology) |
| 2020-2022 | Daniel Vilchez | (Data Science) |
| 2020-2021 | Tivon Eugene | (Biology) |
| 2020 | Jaylon Braxton | (Biology) |

Undergraduate and graduate researcher funding

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| 2024-2025 | Magellan research grant (Anthony Maione) | \$2500 |
| 2024-2025 | Magellan research grant (Hilde Tolfeson) | \$2500 |
| 2023-2025 | Magellan Guarantee Grant (Cayden Scruggs) | \$4000 |
| 2023-2025 | Magellan Guarantee Grant (Nabeeha Baig) | \$4000 |
| 2023-2023 | Theme semester grant (Sayi Sathish Kumar) | \$500 |