Isaac Overcast

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Professional Appointments

2024-	Associate Research Scientist, Columbia University
	Responsibilities: Community genetic diversity theory and model development
2023-2024	Research Scientist, California Academy of Sciences
	Responsibilities: Biodiversity resilience modeling
2023-	Research Associate, Virginia Museum of Natural History
2022-2023	Postdoctoral Researcher, University of Maine, School of Biology & Ecology
	Responsibilities: Eco-evolutionary theory and modeling development
2019-2021	Postdoctoral Researcher, Institut de Biologie de l'École Normale Supérieure
	Responsibilities: Island biodiversity genomics theory and modeling
2019-	Research Associate, Division of Vertebrate Zoology, American Museum of Natural History
2018-2020	Research Scientist, Sequence Bio, St. John's, NL, Canada
	Responsibilities: Population genetics simulations and analysis of human genome data
2014-2015	Research Scientist, Icahn School of Medicine at Mount Sinai
	Responsibilities: Simulation engine for approximate Bayesian polygenic analysis

Education

2019	Ph.D.	The Graduate Center of the City University of New York
		Thesis: On the Distribution of Genetic Variation in Ecological Communities
1999	B.S.	Computer Science, The Evergreen State College

Publications

1. Huang, T., **Overcast, I.**, Kuhn, A., Morin, P., Ruane, S. (2025) Small snakes, big cities: population genetics of urban Dekay's brown snake (Storeria dekayi) in New Jersey. *Journal of Heredity*.
2. Myers, E. A., Bell, R., **Overcast, I.**, Chaves, J., Torres-Carvajal, O. (2025) Pleistocene island connectivity did not enhance dispersal or impact population size change in Galápagos geckos. *Molecular Ecology*.
3. Harrington, S., **Overcast, I.**, Myers, E. A., Burbrink, F. (2024) Pleistocene glaciation drove shared population coexpansion in eastern North American snakes. *Molecular Ecology*.
4. Luiselli, J., **Overcast, I.**, Rominger, A., Ruffley, M., Morlon, H., Rosindell, J. (2024) Detecting the ecological footprint of selection. *PLoS One*.
5. Gillespie, R., Bik, H., Hickerson, M. J., Krehenwinkel, H., **Overcast, I.**, Rominger, A. J. (2023). Insights into Ecological and Evolutionary Processes via Community Metabarcoding. *Molecular Ecology*.
6. French, C., Bertola, L., Carnaval, A., Economo, E., Kass, J., Lohman, D., Marske, K., Meier, R., **Overcast, I.**, Rominger, A., Staniczenko, P., Hickerson, M. J. (2023). Global determinants of the distribution of insect mitochondrial genetic diversity. *Nature Communications*.
7. **Overcast, I.**, Noguerales, V., Meramveliotakis, E., Andújar, C., Arribas, P., Creedy, T., Emerson, B. C., Vogler, A., Papadopoulou, A., Morlon, H. (2023). Inferring the ecological and evolutionary determinants of community genetic diversity. *Molecular Ecology*.

8. Kizirian, D., Padial, J. M., Kuhn, A., **Overcast, I.**, Myers, E., Saporito, R., Donnelly, M. (2023). Feedback in Batesian Mimetic Systems. *Biological Journal of the Linnean Society*.
9. **Overcast, I.**, Achaz, G., Aguilée, R., Andújar, C., Arribas, P., Creedy, T. J., Economo, E., P., Etienne, R., Gillespie, R., Jacquet, C., Jay, F., Kennedy, S., Krehenwinkel, H., Lambert, A., Meramveliotakis, E., Noguerales, V., Perez-Lamarque, B., Roderick, G., Rogers, H., Ruffley, M., Sanmartin, I., Vogler, A. P., Papadopoulou, A., Emerson, B. C., Morlon, H. (2022). Towards a genetic theory of island biogeography: Inferring processes from multi-dimensional community-scale data. *Global Ecology and Biogeography*.
10. French, C. M., Berezin, C. T., **Overcast, I.**, Mendez de la Cruz, F., Basu, S., Bernal, R., Murphy, R., Hickerson, M. J., Blair, C. (2022). Forest cover and geographic distance influence fine-scale genetic structure of leaf-toed geckos in the tropical dry forests of western Mexico. *Biological Journal of the Linnean Society*.
11. Emerson, B. C., Borges, P., Cardoso, P., Convey, P., deWaard, J., Economo, E., Gillespie, R., Kennedy, S., Krehenwinkel, H., Meier, R., Roderick, G., Strasberg, D., Thébaud, C., Traveset, A., Creedy, T., Meramveliotakis, E., Noguerales, V., **Overcast, I.**, Morlon, H., Papadopoulou, A., Vogler, A., Arribas, P., Andujar, C. (2022). Collective and harmonised high throughput barcoding of insular arthropod biodiversity: toward a Genomic Observatories Network for islands. *Molecular Ecology*.
12. Arribas, P., Andújar, C., Bohmann, K., deWaard, J., Economo, E., Elbrecht, V., Geisen, S., Goberna, M., Krehenwinkel, H., Novotny, V., Zinger, L., Creedy, T., Meramveliotakis, E., Noguerales, V., **Overcast, I.**, Morlon, H., Papadopoulou, A., Vogler, A., Emerson, B. C. (2022). Toward global integration of biodiversity big data: a harmonised metabarcode data generation module for terrestrial arthropods. *GigaScience*.
13. Espindola, S., Vázquez-Domínguez, E., Nakamura, M., Osorio-Olvera, L., Martínez-Meyer, E., Myers, E., **Overcast, I.**, Reid, B., Burbrink, F. (2022) Complex genetic patterns and distribution limits mediated by native congeners of the worldwide invasive red-eared slider turtle. *Molecular Ecology*.
14. Kuhn, A., Gehara, M., Andrianarimalala, S. M., Rabibisoa, N., Randriamahatantsoa, B., **Overcast, I.**, Raxworthy, C., Ruane, S., Burbrink, F. T. (2022). Drivers of unique and asynchronous population dynamics in Malagasy herpetofauna. *Journal of Biogeography*.
15. Noguerales, V., Meramveliotakis, E., Castro-Insua, A., Andujar, C., Arribas, P., Creedy, T., **Overcast, I.**, Morlon, H., Emerson, B., Vogler, A., Papadopoulou, A. (2021) Community metabarcoding reveals the relative role of environmental filtering and dispersal in metacommunity dynamics of soil microarthropods across a mosaic of montane forests. *Molecular Ecology*.
16. **Overcast, I.**, Ruffley, M., Rosindell, J., Harmon, L., Borges, P., Emerson, B., Etienne, R. S., Gillespie, R., Krehenwinkel, H., Mahler, L., Massol, F., Parent, C., Patiño, J., Peter, B., Week, B., Wagner, C., Hickerson, M. J., Rominger, A. J. (2021) A unified model of species abundance, genetic diversity, and functional diversity reveals the mechanisms structuring ecological communities. *Molecular Ecology Resources*.
17. Creedy, T., Andujar, C., Meramveliotakis, E., Noguerales, V., **Overcast, I.**, Papadopoulou, A., Morlon, H., Vogler, A., Emerson, B., Arribas, P. (2021) Coming of age for COI metabarcoding of whole organism community DNA: towards bioinformatic harmonisation. *Molecular Ecology Resources*.
18. Arribas, P., Andújar, C., Bidartondo, M., Bohmann, K., Coissac, E., Creer, S., deWaard, J., Elbrecht, V., Ficetola, G. F., Goberna, M., Kennedy, S., Krehenwinkel, H., Leese, F., Novotny, V., Ronquist, F., Yu, D., Zinger, L., Creedy, T., Meramveliotakis, E., Noguerales, V., **Overcast, I.**, Morlon, H., Vogler, A., Papadopoulou, A., Emerson, B. C. (2021). Connecting high-throughput biodiversity inventories – opportunities for a site-based genomic framework for global integration and synthesis. *Molecular Ecology*.

19. Bertola, L. D., Boehm, J. T. , Putman, N. F., Xue, A. T., Robinson, J. D., Harris, S., Baldwin, C. C., **Overcast, I.**, Hickerson, M. J. (2020). Asymmetrical gene-flow in five co-distributed syngnathids explained by ocean currents and rafting propensity. *Proceedings of the Royal Society B: Biological Sciences*.
20. Kennedy, S., Prost, S., **Overcast, I.**, Rominger, A. J., Gillespie, R., Krehenwinkel, H. (2020). High throughput sequencing for community analysis: The promise of DNA barcoding to uncover diversity, relatedness, abundances and interactions in spider communities. *Development Genes and Evolution*.
21. Kuhn, A., Skipwith, P., **Overcast, I.** (2020) Digest: An emerging model system for understanding ecomorphological convergence. *Evolution*.
22. Eaton, D. A. R., **Overcast, I.** (2020) ipyrad: Interactive assembly and analysis of RADseq datasets. *Bioinformatics*.
23. McGill, B., Chase, J., Hortal, J., **Overcast, I.**, Rominger, A., Rosindell, J., Borges, P., Emerson, B., Etienne, R., Harmon, L., Mahler, L., Massol, F., Neves, P., Parent, C., Ruffley, M., Gillespie, R. (2019). Unifying macroecology and macroevolution to answer fundamental questions about biodiversity. *Global Ecology and Biogeography*.
24. Clugston, J., Kenicer, G., Milne, R., **Overcast, I.**, Wilson, T., Nagalingum, N. (2019). RADseq as a valuable tool for plants with large genomes—a case study in cycads. *Molecular Ecology Resources*.
25. García-Olivares, V., Patiño, J., **Overcast, I.**, Castellano, A. S., López de Heredia, U., Mora-Márquez, F., Machado, A., Hickerson, M. J., & Emerson, B. C. (2019). A topoclimate model for Quaternary insular speciation. *Journal of Biogeography*.
26. **Overcast I.**, Emerson B. C., & Hickerson M. J. (2019). An integrated model of population genetics and community ecology. *Journal of Biogeography*.
27. **Overcast, I.**, Bagley, J. C., & Hickerson, M. J. (2017). Strategies for improving approximate Bayesian computation tests for synchronous diversification. *BMC Evolutionary Biology*.
28. Oswald, J. A., **Overcast, I.**, Mauck, W. M., Andersen, M. J., & Smith, B. T. (2017). Isolation with asymmetric gene flow during the nonsynchronous divergence of dry forest birds. *Molecular Ecology*.
29. Lipshutz, S. E., **Overcast, I.**, Hickerson, M. J., Brumfield, R. T., & Derryberry, E. P. (2016). Behavioral response to song and genetic divergence in two subspecies of white-crowned sparrows (*Zonotrichia leucophrys*). *Molecular Ecology*.
30. Weiss, R., & **Overcast, I.** (2008). Finding your bot-mate: criteria for evaluating robot kits for use in undergraduate computer science education. *Journal of Computing Sciences in Colleges*.

Grants & Awards

2025 American Genetic Association Special Events Award. **$10,000** (Co-PI)
RADCamp-Latin America 2025: Robust and reproducible analysis of RADseq datasets
ISCB Advancing Computational Biology and Bioinformatics funding initiative. **$5,000** (Lead PI)
RADcamp-Latin America 2025: Robust and reproducible analysis of RADseq datasets
NSF DEB #2428965. **$1,789,894** (Senior Personnel)
Collaborative Research: Biodiversity Dynamics: Linking Broad Scale Remote Sensing with Arthropod Metabarcoding Across a Geological Age Gradient in the Hawaiian Islands

2024 Society for the Study of Evolution International Event Grant. **$4,000** (Co-PI)
RADcamp-Latin America 2025: Robust and reproducible analysis of RADseq datasets
American Society of Naturalists Sponsored Symposium. **$5,000** (Co-PI)

Unlocking the power of genetic time series data to understand microevolutionary and ecological dynamics

2023 NSF DEB #2326020. **$2,498,705 ($337,526 to Co-PI Overcast)**
Collaborative Research: BoCP-Implementation: Alpine plants as a model system for biodiversity dynamics in a warming world: Integrating genetic, functional, and community approaches.

2022 SSE Sponsored Symposium. **$9,000** (Lead PI)
The Rebirth of Comparative Phylogeography.

2021 German Centre for Integrative Biodiversity Research Early Career Working Group. **$22,230** (Co-PI)
Seeing the forest instead of the trees: identifying the common mechanisms behind enigmas of biodiversity.

2020 American Genetic Association Special Events Award. **$11,196** (Co-PI)
RADcampNYC-2020: Robust and reproducible library preparation sequencing assembly and analysis of RADseq datasets.

2019 NSF IIBR #1927319. **$1,295,807** (Key Contributor: Lead model development & grant writing)
RoL: Collaborative Research: A Rules Of Life Engine (RoLE) Model to Uncover Fundamental Processes Governing Biodiversity.

2019 SSE grant for Early-Career Vocational Opportunities Workshops. **$1500** (Co-PI)

2019 Society of Systematic Biologists Ad Hoc Funding Award. **$1500** (Co-PI)

2019 Graduate Center CUNY Mina Rees Dissertation Fellowship in the Sciences. **$25,000**

2017 NSF DEB #1343578 workshop supplement. **$13,320** (Key Contributor: Lead grant writing)
Addressing data management challenges of large-scale projects within NSF's Dimensions of Biodiversity program.

2013 PLATO Royalty Grant, The Evergreen State College. **$10,200** (Co-PI)
Three-dimensional soundscape mapping at Evergreen.

2012 PLATO Royalty Grant, The Evergreen State College. **$7000** (Co-PI)
Developing an Arduino lab facility for arts and sciences.

2011 PLATO Royalty Grant, The Evergreen State College. **$8000** (Co-PI)
Adding eight-channel playback capability to a computer classroom.

2010 PLATO Royalty Grant, The Evergreen State College. **$2863** (Co-PI)
Supporting infrastructure for an Advanced Computing Research Lab.

2008 PLATO Royalty Grant, The Evergreen State College. **$10,200** (Co-PI)
Integrating robotics into media and computer science curriculum.

Teaching

2025 Co-Instructor, Columbia University, Dept. of Ecology, Evolution, & Environmental Biology
Course: Programming and Data Science for Biology

2015-2019 Teaching Assistant, The City College of New York
Courses: Introduction to Biology; Ecology and Evolution; Anthropological Genomics

2005-2008 Adjunct Member of the Faculty, The Evergreen State College
Courses: Technology in New Media; New Media Studies

Mentored Graduate/Undergraduate Projects

2021 Maria Wagenknecht (University of Maine; Undergrad Capstone)
Development of Best Practices to Analyze eDNA Metabarcoding and Microbiome Data

2020 Juliette Luiselli (École Normale Supérieure; Master 1)

Advancing Models of Non-Neutral Assembly Dynamics for Analysis of Community-Scale Genetic Data

2019 Casey-Tyler Berezin (CCNY; Macaulay Honors Scholar)
Fine-Scale Population Structure of Leaf-Toed Geckos in Mexico Inferred from Next-Generation Sequencing Data

2018 Rachael Mendoza (Bard College; REU)
The Contribution of Non-Neutral and Neutral Processes in Human Microbial Community Assembly

Invited Lectures

2025 University of Montana, Department of Computer Science, Missoula, MT
Predictive Models of Biodiversity Resilience to Inform Conservation Strategy
Columbia University, AI & Global Change Biology Symposium, New York, NY
Predicting the response of biodiversity to global change with eco-evolutionary models and machine learning

2024 University of Southampton, School of Biological Sciences, Southampton, UK
Predictive models of biodiversity resilience to inform conservation strategy
California Academy of Sciences, Institute for Biodiversity & Sustainability, San Francisco, CA
Using Transdisciplinary, Community-Based Participatory Research to Understand Island Social-Ecological Resilience
University of California, Santa Cruz, Department of Ecology and Evolution, Santa Cruz, CA
Biodiversity Genetics: Investigating the past and predicting the future using community-scale DNA sequence data
University of Alabama at Birmingham, Department of Biology, Birmingham, AL
Biodiversity Genetics: Investigating the past and predicting the future using community-scale DNA sequence data

2023 Naturalis Biodiversity Center, Leiden, Netherlands
University of California, Berkeley, Department of Environmental Science, Policy, and Management
University of Wyoming, School of Computing, Laramie, WY
Unified biodiversity models, big data, and AI

2022 University of Maine, School of Biology and Ecology Department Seminar, Orono, ME
Identifying the common mechanisms behind enigmas of biodiversity
German Centre for Integrative Biodiversity Research (iDIV), Leipzig, Germany
sEnigmas: Identifying the common mechanisms behind enigmas of biodiversity
Florida Museum of Natural History, Research Seminar, Gainesville, FL
Why do we need AI for natural history and biodiversity research?
Rutgers University Biology Colloquium, Newark, NJ
Why do we need unified models of biodiversity?

2021 Florida Museum of Natural History, Research Seminar, Gainesville, FL
Biodiversity Genomics, Big Data & Machine Learning
Ecole Normale Superieure, EEB Section Seminar, Paris, France
The Speciation Rate Genetic Diversity Correlation

2020 University of Maine, Research Seminar, Orono, ME
On the distribution of genetic variation in ecological communities
Ecole Normale Superieure, EEB Section Seminar, Paris, France
Community biodiversity genomics
University of Würzburg, Center for Computational and Theoretical Biology, Würzburg, Germany
Community biodiversity genomics
Universität Trier, Biogeography Department Symposium, Trier, Germany

On the distribution of genetic variation in ecological communities

2019 Santa Fe Institute, Science Symposium, Santa Fe, NM

Unifying the study of biodiversity across timescales: What a MESS!

Rutgers University Biology Colloquium, Newark, NJ

Island biogeography and the distribution of genetic variation in ecological communities

Yale University, Powell-Caccone Lab Group Meeting, New Haven, CT

Island biogeography and the distribution of genetic variation in ecological communities

Instituto Gulbenkian de Ciência, Oeiras, Portugal

Island biogeography and the distribution of genetic variation in ecological communities

2018 Smithsonian Institution National Museum of Natural History, Washington DC

Island biogeography and the distribution of genetic variation in ecological communities

German Centre for Integrative Biodiversity Research (iDIV), Leipzig, Germany

Community Assembly and Population Genetics: At the Nexus of Space and Time

Conference Presentations

2025 Philosophy & Biology Shop Talks, Westfield, NC

Information transfer unifies Earth and Life systems

Virginia Association of Museums Annual Conference, Blacksburg, VA

Technological Advances and Traditional Curation: The Melding of Time-Honored and Modern Methods to Advance Collections-Based Work

Conference of the American Society of Naturalists, Pacific Grove, CA

Inferring recent demographic patterns across species with temporal genomic data

2024 GEOBON Genetic Composition Working Group Virtual Symposium

Leveraging the distribution of genetic variation within ecological communities for conservation and monitoring

Entomological Society of America, Phoenix, AZ

A predictive model of biodiversity resilience to inform conservation strategy

Philosophy & Biology Shop Talks, Westfield, NC

Understanding the Common Mechanisms Behind the Enigmas of Biodiversity

Conservation Genomics Paris, MNHN, Paris, France

A Predictive Model of Biodiversity Resilience to Inform Conservation Strategy

2023 Society of Systematic Biologists Standalone Meeting, UNAM, Mexico City, Mexico

On the correlation between speciation rate and genetic diversity

2021 Virtual Evolution Conference

Community biodiversity genomics

2019 3rd International Conference on Island Biology, Saint-Denis, Réunion, France

Island biogeography and the distribution of genetic variation in ecological communities

Geography & Genes Symposium, International Biogeography Conference, Malaga, Spain

An integrated model of population genetics and community ecology

2018 Evolution meeting, Montpellier, France

An integrated model of population genetics and community ecology

2017 Evolution meeting, Portland, Oregon

Integrating island assembly models and comparative population genetics

2016 2nd International Conference on Island Biology, Angra do Heroísmo, Terceira, Portugal
Integrating island assembly models and comparative population genetics

Service to the Profession

Workshops Organized/Taught

2025 RADCamp Brisbane (2 Day; University of Queensland)
2024 RADCamp Phoenix (1 Day; Arizona State University)
RADCamp San Francisco (2 Day; California Academy of Sciences)
RADCamp Chicago (2 Day; Field Museum of Natural History)
2023 RADCamp Chicago (3 Day; Field Museum of Natural History)
RADCamp Kigali (2 Day; University of Rwanda)
Multidimensional Biodiversity Data Analysis & Process-Based Modelling (4 Day; Albuquerque, NM)
RADCamp NYC (4 Day; Columbia University)
Phylogeographic Temporal Analysis (PTA): Model based comparative phylogeography with machine learning (½ Day; SSB Standalone Meeting; UNAM, Mexico City, Mexico)
2020 RADCamp Marseille (3 Day; Online)
RADCamp NYC (½ Day; Online)
RADCamp Lisbon (1 Day; University of Lisbon)
2019 RADCamp NYC (4 Day; Columbia University)
CompPhylo Oslo (5 Day; University of Oslo)
RADCamp Yale (½ Day; Yale University)
RADCamp IBS (Full Day; International Biogeography Society meeting, Malaga, Spain)
2018 RADCamp NYC (3 Day; Columbia University)
RADCamp AF-BIOTA (3 Day; University of São Paulo, Brazil)

Scientific Symposia Organized

2025 American Society of Naturalists Annual Meeting
Unlocking the power of genetic time series data to understand microevolutionary and ecological dynamics
2024 Entomological Society of America Annual Meeting (Section Symposium)
Arthropod Metabarcoding: A Powerful Tool for Inventorying, Monitoring, and Regenerating Biodiversity
2023 Evolution Conference (SSE Sponsored Symposium)
The Rebirth of Comparative Phylogeography

Scientific Software

ipyrad: Interactive assembly and analysis of RADseq datasets (co-author)
easyCGD: Quantifying and analyzing community genetic diversity structure
MESS: Massive Eco-Evolutionary Synthesis Simulations
gimmeSAD: An integrated model of population genetics and community ecology
msBayes: Complex and flexible comparative phylogeographic inference (co-author)
iBioGen: Software for the study of island biodiversity dynamics from genomic data
easySFS: Selection of population size projection for construction of the site frequency spectrum
PTA: Phylogeographic temporal analysis for genome-scale datasets

PIED: A model of coevolving community abundance and phylogenetic birth/death processes

Outreach Activities (Public Seminars)

2022 A New HOPE, Hackers on Planet Earth Conference, New York City
Hacking the Anthropocene: Life, Biological Complexity, Freedom!

2019 Left Forum, New York City
Primer on Complexity Science for Social Change. In: Vulgar Complexity: How Can Complexity Science, Computation, and Evolution Inform Left Political Strategy?

2018 Science on Tap, New York City.
Islands as Natural Laboratories in Ecology and Evolution

2015 The CUNY Graduate Center English Student Association Conference: Trance, New York City
Patterns of Trance Across the Tree of Life

Outreach Activities (Popular Press/Online Content)

2022 *sEnigmas: An sDiv Early-Career Researcher Working Group to identify the common mechanisms behind enigmas of biodiversity* - sDiv newsletter

2021 *How we can detect pretty much anything - Hélène Morlon and Anna Papadopoulou* - Ted-Ed Video
(Co-wrote script)

2020 *Comment retracer l'histoire des espèces?* - Fête de la science, Youtube video

2018 *Sketching the Rules of Life: Developing a Model of Biodiversity.* - Parallax: Newsletter of the Santa Fe Institute

Professional Affiliations (Member)

Society of Systematic Biologists
Association for Women in Science
American Society of Naturalists
Complex Systems Society
Society for the Study of Evolution
Society for Molecular Biology and Evolution
International Biogeography Society

Volunteered Peer-Review

2025 Molecular Phylogenetics and Evolution, Scientific Reports, Ecology Letters, Systematic Biology, Evolutionary Journal of the Linnean Society, Ecography

2024 Journal of Evolutionary Biology, Functional Ecology, Evolution, Bioinformatics, Bioinformatics Advances, Proceedings of the Royal Society B, Systematic Biology, Molecular Ecology

2023 Journal of Biogeography, Systematic Biology, Ecology Letters, Journal of Evolutionary Biology, Evolution, Ecological Informatics, Trends in Ecology and Evolution, Molecular Ecology, Molecular Ecology Resources

2022 Journal of Biogeography, Systematic Biology, Methods in Ecology and Evolution, Global Ecology and Biogeography, American Naturalist, Molecular Ecology Resources, Oikos, Journal of Open Source Software, PLOS Computational Biology

2021 Molecular Ecology Resources, Diversity, Systematic Biology, Frontiers in Plant Science, Insect Systematics and Diversity, Ecography, Methods in Ecology and Evolution, American Naturalist

2020 Molecular Ecology, PeerJ, Ecology Letters, Journal of Biogeography, Molecular Ecology Resources, Evolutionary Ecology, Systematic Biology

2019 Ecology Letters, Evolution

2018 PLOS One, Molecular Ecology, Molecular Phylogenetics and Evolution, PeerJ, Molecular Ecology Resources, Journal of Biogeography
2017 Bioinformatics, Journal of Biogeography, Royal Society Open Science

Community Service

2025 French National Research Agency (ANR), Proposal Reviewer
2024 National Science Foundation, Proposal Reviewer
2023- Associate Editor, Systematic Biology
2022-2023 University of Maine, College of Natural Sciences, Forestry, and Agriculture Staff Council
2022 FRB-CESAB External Reviewer
2022 University of Maine Student Symposium Reviewer
2021-2023 Molecular Ecology Special Issue Guest Editor
Insights into Ecological & Evolutionary Processes via Community Metabarcoding
2021 Hungarian National Research, Development, and Innovation Office, External Reviewer
2020 Spanish State Research Agency (AEI) Expert Evaluator
2020 IBS Travel Award Review Committee
2019-2025 SSB Graduate Student Research Awards Reviewer
2016-2019 CCNY Women in Natural Science Volunteer Mentor
2016-2019 CUNY Ecology, Evolution, and Behavior Subprogram Student Representative
2016 Women in Natural Science Travel Grant Review Panel Participant
2015-2016 CUNY Biology Program, Executive Committee Student Representative
2015-2016 CUNY Doctoral Student Council, Biology Program Representative
2013-2015 National Lawyers Guild, Technical Consultant
2012-2013 Labmanager Conference, Organizing Committee Chair
2010-2011 Olympia Books to Prisoners, Volunteer
2002-2014 Olympia Film Society, Technical Consultant/Projectionist
2007-2012 Olympia Film Society, Board of Directors (President)
2007-2008 Free Radio Olympia, Technical Consultant
2006-2007 Cabinet Magazine, Technical Consultant/Web Programmer