

Nathan C. Emery

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Research, and Learning
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Education

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| 2009-2016 | Ph.D. in Ecology, Evolution and Marine Biology
University of California Santa Barbara
Advisor: Dr. Carla D'Antonio |
| 2003-2007 | B.Sc. Biology, Graduation with Distinction
Duke University |

Appointments

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| 2024-present | Associate Director of STEM Education , Center for Innovative Teaching, Research, and Learning, UC Santa Barbara |
| 2022-2024 | STEM Success Education Coordinator , Center for Innovative Teaching, Research, and Learning, UC Santa Barbara |
| 2021-2022 | Academic Specialist , Great Lakes Bioenergy Research Center, Michigan State University |
| 2019-2021 | Postdoctoral Research Associate , Plant Biology Department and Great Lakes Bioenergy Research Center, Michigan State University (with Dr. David Lowry) |
| 2016-2019 | Postdoctoral Research Associate , Plant Biology Department, Michigan State University. NSF-Funded project: "Longitudinal study of teaching practices in early-career biology faculty." (with Dr. Diane Ebert-May) |
| 2008 | Eastern Oregon Field Ecologist , The Nature Conservancy of Oregon |

Teaching Experience

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| 2023-present | Instructor of Record , University of California Santa Barbara <ul style="list-style-type: none">Designed and taught INT86 "How to think like a scientist" |
| 2022 | Co-Instructor of Record , Ecology, Michigan State University <ul style="list-style-type: none">Co-teaching a 180-student online course |
| 2021 | Guest Lecturer , Conservation Stewards Program, Michigan State University |
| 2021 | Guest Lecturer , Environmental Conservation/Climate Change, St. Edward's University |
| 2021 | Co-Instructor of Record , Introductory Biology 240, San Francisco State University <ul style="list-style-type: none">Co-taught a 200-student online course focused on protists, plants and fungi |
| 2018 | Instructor of Record , Introductory Biology 162, Michigan State University <ul style="list-style-type: none">Taught a 200-student introductory biology courseLed to publication of tree phenology lesson (Emery et al. 2019, <i>CourseSource</i>) |
| 2017 | Co-Instructor of Record , Introductory Biology 162, Michigan State University <ul style="list-style-type: none">Co-taught a 200-student introductory biology courseCo-designed and implemented a course-long project consisting of students collecting, visualizing, and analyzing tree phenology patterns. |
| 2014-2016 | Instructor of Record , General Plant Ecology, UC Santa Barbara <ul style="list-style-type: none">Designed and taught a course for 50-85 upper-division ecology studentsDeveloped a course-long research proposal writing assignment.Led to publication of research proposal lesson (Emery 2016, <i>EcoEDigital Library</i>) |

2015	Instructor of Record , Ecology and Management of California Wildlands, UC Santa Barbara • Taught a 24-student field course with weekly trips to California's ecosystems
2015	Academic Coordinator , Introductory Biology Lab Course, UC Santa Barbara • Trained and supervised eight teaching assistants to teach lab activities • Developed lab quizzes, coordinate grading and maintain course website
2012-2013	Curriculum development for Teaching Assistants , UC Santa Barbara • Co-developed a curriculum for the "Teaching Techniques for Teaching Assistants" course for the Biology departments with the course instructor
2010-2016	Teaching Assistant , UC Santa Barbara • Led multiple Introductory Biology Lab Series 1, 2 and 3 (25 students each) • Led the lab component of Foundations of Ecosystem Restoration (2012-2014) • Led discussion sections for Ecology and Management of California Wildlands • Led discussion sections for Introduction to Ecology

Peer-Reviewed Publications ([Google Scholar Page](#))

* indicates undergraduate author

27. Bonem, E. M., **Emery, N.**, Tarchinski, N., Sweeder, R. D. and T. A. McKay. 2026. Dialogue and Data: Leveraging Institutional Data for Course Transformation. *Change: The Magazine of Higher Education*.

26. Garcia-Vedrene, A. E., Weinstein, S. B., McCauley, D. J., and **N. Emery**. 2026. Scientific Mini-Chats: Connecting students to scientists in the classroom. *Journal of Parasitology*, 112, 2.

25. Tarchinski, N.... **Emery, N.**...and N. T. Turman. 2025. Centering student perspectives and equity data in a multi-institutional learning community program. *To Improve the Academy: A Journal of Educational Development*, 44, 2.

24. Carroll, K. A., East, A., Gao, X., McMullen, J. G. and **N. Emery**. 2025. Early-Career Publishing and Reviewing: Pitfalls and Perspectives. *The Bulletin of the Ecological Society of America*, e70023.

23. O'Donnell, K. L., Aiello-Lammens, M., Bledsoe, E., Bowlick, F. J., Broughton, L., Calderon, O., Crispo, E., **Emery, N.**, Farrell, K., Ngiramahoro, M., Patel, N., Paudel, S., Richardson, L., Soares, B. E., Supp, S. and E. Weigel. 2024. BEDE Network Data Science Skills Curriculum Map. *QUBES Educational Resources*.

22. Oliver, R. Y., Chapman, M., **Emery, N.**, Gillespie, L., Gownaris, N., Leiker, S., ... and N. Zimmerman. 2024. Opening a conversation on responsible environmental data science in the age of large language models. *Environmental Data Science*, 3, e14.

21. **Emery, N.**, Crispo, E., Supp, S., Kerkhoff, A., Aiello-Lammens, M., Bledsoe, E., O'Donnell, K., and A. McCall. 2021. Data Science in Undergraduate Life Science Education: A Need for Instructor Skills Training. *BioScience* biab107

20. Berry, Z. C., Ávila-Lovera, E., De Guzman, M. E., and K. O'Keefe, and **N. Emery**. 2021. Beneath the bark: woody stem water and carbon fluxes and the implications for stem-atmosphere exchange and plant function. *Frontiers in Forests and Global Change* 4.

19. **Emery, N.**, Maher, J. M., and D. Ebert-May. 2021. Environmental influences and individual characteristics that affect learner-centered teaching practices. *PLOS One*
18. McNicol, G., Yu, Z., Berry, Z. C., **Emery, N.**, Soper, F., and W. Yang. 2021. Stable isotope ecology: Tracing plant-environment interactions from organismal to planetary scales. *Emerging Topics in Life Sciences*
17. Lott, S.* and **N. Emery**. 2021. The effect of leaf morphological traits and wet deposition on hydrophobicity. *RURALS: Review of Undergraduate Research in Agricultural and Life Sciences*
16. **Emery, N.**, Bledsoe, E., Hasley, A., and C. D. Eaton. 2020. Cultivating inclusive educational and research environments in ecology and evolution. *Ecology & Evolution*
15. **Emery, N.**, Maher, J. M., and D. Ebert-May. 2020. Early-career faculty practice learner-centered teaching up to 9 years after postdoctoral professional development. *Science Advances* 6, eaba2091
14. Alund, M. †, **Emery, N.**†... and E. Gering. 2020. Academic ecosystems must evolve to support a sustainable postdoc workforce. *Nature Ecology & Evolution* 4, 777–781. (†Co-first author)
13. Doerr, A., **Emery, N.**, Ficken, C., Scherer, A., Fullman, T. and M. Reichenborn. 2020. Human dimensions: Professional development for the everyday early career ecologist. *Bulletin of the Ecological Society of America* 00(00):e01695
12. **Emery, N.**, Roth, K., and A. Pivovarov. 2019. Flowering phenology indicates plant flammability in a dominant shrub species. *Ecological Indicators*, 109, 105745
11. **Emery, N.**, Maher, J. M., and D. Ebert-May. 2019. Professional Development in STEM Higher Education: Studying the Educational Ecosystem. *Innovative Higher Education* 44(6), 469-479.
10. **Emery, N.**, Trujillo, C., Jarosz, A., and T. Long. 2019. Quantifying and Visualizing Campus Tree Phenology. *CourseSource*.
9. **Emery, N.**, Hund, A., Burks, R., Duffy, M., Scoffoni, C., and A. Swei. 2019. Students as ecologists: Strategies for successful mentorship of undergraduate researchers. *Ecology and Evolution*, 9: 4316–4326
8. Pivovarov, A. L., **Emery, N.**, Sharifi, M. R., Witter, M., Keeley, J. E., & P. W. Rundel. 2019. The Effect of Ecophysiological Traits on Live Fuel Moisture Content. *Fire*, 2(2), 28.
7. VanWallendael, A., Soltani, A., **Emery, N. C.**, Peixoto, M. M., Olsen, J., & D. B. Lowry. 2019. A Molecular View of Plant Local Adaptation: Incorporating Stress-Response Networks. *Annual Review of Plant Biology*, 70.
6. Berry, Z. C., **Emery, N. C.**, Gotsch, S. G., & G. R. Goldsmith. 2019. Foliar water uptake: processes, pathways, and integration into plant water budgets. *Plant, Cell & Environment*, 42(2), 410-423.

5. **Emery, N.**, C. M. D'Antonio, and C. J. Still. 2018. Fog and live fuel moisture in coastal California shrublands. *Ecosphere*, 9(4)
4. **Emery, N.** 2016. Foliar uptake in coastal California shrub species. *Oecologia*. 182(3), 731-742.
3. **Emery, N.** 2016. Writing an Ecology Research Proposal. *EcoEDigital Library*. Ecological Society of America.
2. **Emery, N.** and J. Lesage*. 2015. Late summer fog use in the drought deciduous shrub, *Artemisia californica* (Asteraceae). *Madroño*. 62: 150-157.
1. Chen, X., **Emery, N.**, Garcia, E. S., Hanan, E. J., Hodges, H. E., Martin, T., ... & C. Tague. 2013. Perspectives on disconnects between scientific information and management decisions on post-fire recovery in western US. *Environmental management*, 1-12.

Other Publications

Ebert-May, D. and **N. Emery**. 2017. Teaching like a scientist: assessing your assessments. *Frontiers in Ecology and the Environment*, 15(5), 227-227.

Grants and Fellowships

2026	Environmental Data Science Innovation and Impact Lab (ESIL) – Working Group funded, “AI in a Day” Teaching Modules (\$18,000)
2021	NSF RCN-UBE – Co-PI – “The Biological and Environmental Data Education Network: Preparing instructors to integrate data science into undergraduate biology and environmental science curricula” (\$500,000)
2019	Environmental Data Science Inclusion Network & Quantitative Undergraduate Biology Education and Synthesis Open Education Fellow (\$2,200)
2016	Coastal Fund Grant , UCSB Associated Students (\$584)
2014-2015	Ecology, Evolution and Marine Biology Block Grant , UCSB (\$10,000)
2014	Isotope Inter-University Training for Continental-scale Ecology Fellowship (\$4,043)
2013-2014	Ecology, Evolution and Marine Biology Block Grant , UCSB (\$1,500)
2013	Instruction Improvement Grant , Office of Instructional Development, UCSB (\$2,000)
2013	Ellen Schamberg Burley Graduate Scholarship , UCSB (\$700)
2013	NSF Doctoral Dissertation Improvement Grant , NSF (\$16,766)
2013	Mildred Mathias Research Grant , UC Natural Reserve System (\$1,900)

Evaluation

2026-present	Yuba College Working Lands Workforce Development Pipeline program , Yuba Community College External evaluator for a natural resource careers student internship program
2023-2025	Acceptance of Climate Change Scale Project , University of Northern Colorado External evaluator for NSF-funded survey development research project

Education leader/organizer

2024-present	STEM Education Research, UC Santa Barbara Co-leading and supporting research in biology, chemistry, math, and engineering education with faculty collaborators
2024-2026	STEM Equity Institute, UC Santa Barbara Co-led a faculty professional development program on cultural competency at Hispanic-Serving Institutions
2023-present	Teaching Professor Network, UC Santa Barbara Co-organize and contribute to a network of teaching faculty across UCSB's campus
2023-present	Maximizing Student Success Program, UC Santa Barbara Co-design and coordinate a STEM summer bridge program of 400 incoming undergraduate students
2023-2025	STEM Equity Learning Communities, SEISMIC Collaboration - Facilitate a learning community composed of faculty, staff, and students focused on increasing equity in STEM education - This project is part of the SEISMIC Collaboration
2023-2025	Inclusive Teaching Symposium, UC Santa Barbara Co-organized and moderated a campus-wide symposium on inclusive teaching practices
2023-present	Inclusive and Equitable Education Book Club, UC Santa Barbara Organize and facilitate a yearly book club for faculty and staff on equity and inclusivity in the academy
2022-present	Pedagogy workshop developer, UC Santa Barbara Developed and led faculty/instructor workshops on: Backward Design, Equitable and Inclusive teaching, Collaborative learning, Quantitative Literacy, Data Science Education, Mentoring, and TA Training
2022	Inclusive Mentoring Practices Workshop, Great Lakes Bioenergy Research Center: All Scientists Meeting Co-designed and led a mentoring workshop for faculty, postdocs, and graduate students from Michigan State University and the University of Wisconsin Madison
2022	Panel to discuss writing DEI statements, co-hosted by Inclusive Ecology, Black Ecologists, and Early Career Ecologists Sections of the Ecological Society of America Organized and led a conversation on the purpose, structure, and logistics associated with DEI statements for academic positions
2021	Biological and Environmental Data Education Network, NSF Research Coordination Network – Undergraduate Biology Education Co-PI on 5 year grant to train undergraduate instructors in evidence-based teaching practices and how to best incorporate data science skills into life science courses
2021	Four-Dimensional Ecology Education Framework (4DEE): Assessment Working Group, Ecological Society of America
2017 - 2021	Backward Design and Inclusive Pedagogy Workshop, ESA Annual Meetings Designed and led a professional development workshop for ESA attendees
2020	Backward Design and Inclusive Pedagogy Workshop, Michigan State University

2019-2020	Designed and led a professional development workshop for MSU postdocs
	Open Education Fellow , Environmental Data Science Inclusion Network (EDSIN) and Quantitative Undergraduate Biology Education and Synthesis (QUBES)
	- A leadership program for life science, math biology, statistics, and ecoinformatics educators interested in inclusive data science education - Led to collaborative publication (Emery et al. 2020, <i>Ecology & Evolution</i>)
2019-2020	Biological and Environmental Data Education Network , NSF Incubator
	Our goal is to use data science education to make the life and environmental sciences more accessible, transparent, reproducible, and relevant.
2018	Students as Ecologists: Collaborating with Undergraduates from Scientific Question to Publication , Ecological Society of America Annual Meeting
	Organizer/Moderator for INSPIRE Session. Led to collaborative publication (Emery et al. 2019 <i>Ecology & Evolution</i>)
2017 - 2020	Biology Curriculum committee , Michigan State University
	Participating in committees dedicated to curricula alignment
2017	Backward Design Workshop , UC Santa Barbara
	Designed and led a professional development workshop for graduate students, postdocs and early-career faculty in the STEM disciplines
2012, 2013	TA Orientation Workshop Leader and Panelist , UC Santa Barbara

Mentorship

2026	STEM Education undergraduate researchers , CITRAL, UC Santa Barbara
	I supervise three undergraduate student researchers on chemistry and math in biology education research projects and a student working on general STEM education course material for a summer bridge program.
2024-2025	SEEDS Data Science Project , Center for Black Studies Research, UC Santa Barbara
	I supervise a team of four undergraduate students through a project on asset-based language of STEM department websites.
2024	Data Science Capstone , Computer Science, UC Santa Barbara
	I sponsored and supervised a team of 7 undergraduates through an academic-focused data science project
2021	NSF REU , Kellogg Biological Station, Michigan State University
	- Guided Milagros Hernandez Jimenez through an independent research project - Milagros is presenting her work at the Society for the Advancement of Chicanos/Hispanics and Native Americans in Science conference and preparing her research for publication
2021	Mentor Judge , Society for Advancement of Chicanos/Hispanics and Native Americans in Science Annual Conference
	Mentoring several student presenters to improve their research presentations and help them navigate the online conference
2020-2021	R Stats Working Group , Michigan State University
	Leading a group of post-docs, students, and technicians through learning the basics of R, data management, and statistical analysis
2020	Writing Group Leader , Michigan State University
	Organized and led a writing/editing group with lab technicians and an REU student as they worked on manuscripts for publication
2018-2019	Research Mentor , Plant Biology 498, Michigan State University

	Guided Steven Lott through an independent research project complete with poster, oral presentation, and writing of a manuscript for publication (Lott and Emery 2021, <i>RURALS</i>)
2011-2016	Research Mentor , UC Santa Barbara - Mentored Josie Lesage, Aria Bauman, and Monica Lee through their respective senior thesis projects that resulted in written papers and presentations at on-campus research symposia. One has been published (Emery and Lesage 2015, <i>Madroño</i>) - Involved over 15 other students in my research program
2013	Summer Institute for Math and Science Mentor , UC Santa Barbara Mentored four incoming freshmen on an independent research project to demonstrate the scientific method
2012	Jack Kent Cooke Bridges Mentor , UC Santa Barbara Mentored four community college students for a one-week intensive program to learn about research methods and the scientific process which resulted in a presentation.
2012	Summer Research Mentorship Program , UC Santa Barbara Mentored a high school student: Together we developed a research study, conducted fieldwork, analyzed data. Student gave a final presentation to faculty and peers.

Awards

2021	Outstanding Postdoctoral Award (\$500) , Plant Biology Department, MSU
2019	Education Section Paper Award , Ecological Society of America
2016	Vernon Cheadle Award , Cheadle Center for Biodiversity and Ecological Restoration
2015	Doctoral Student Travel Grant , UC Santa Barbara
2013	Graduate Student Association Excellence in Teaching Award , UC Santa Barbara
2012	California Native Plant Society Education Award , CNPS
2011, 2013	Worster Award for Graduate and Undergraduate Research Pairing, UC Santa Barbara

Scientific Presentations

2026	UCSB Teaching and Learning Symposium Talk "UCSB Transfer Student Experiences"
2026	UCSB Teaching and Learning Symposium Talk "Data Science by Design: A new data science curriculum map for integration into courses and curricula"
2026	SABERWest Talk "Access beyond enrollment: Student-facing guidance from biology undergraduate programs at research-focused institutions"
2025	Invited Talk: Advocating for Curricular Change Within and Across Disciplines , RIOS Institute
2025	SABERWest Workshop "Data by Design: Integrating Data Science into Life Science Courses"
2024	Invited talk: RIOS Institute - "Opening Ourselves to Open Science, Equity, and Social Justice"
2024	Professional and Organizational Development Network in Higher Education panel "Let's Talk Equity Data: Facilitating Instructor Discussions about Student Data"
2024	Society for the Advancement of Biology Education Research (SABER) West
2023	Sloan Equity and Inclusion in STEM Introductory Courses (SEISMIC) Annual Meeting

- 2023 Environmental Data Science Innovation and Inclusion Lab Summit
- 2022 Invited Session: **Cultivating inclusivity in instructional and research environments**
Great Lake Bioenergy Research Center Virtual Sustainability Symposium
- 2021 Posters: **There and Back Again: Intraspecific plant physiological responses to multiple droughts and recovery in a perennial C4 grass**
American Society of Plant Biology Annual Conference, Ecological Society of America: 106th Annual Meeting
- 2021 Invited Talk: **Cultivating inclusive instructional and research environments in ecology and evolutionary science** – University of Minnesota
- 2020 Presentation & breakout session: **Integrating R programming skills into existing data-centric learning activities**
ESA Life Discovery Conference 2020
- 2020 Lightening talk: **Switchgrass from the sky**
Great Lake Bioenergy Research Center Virtual Sustainability Symposium
- 2020 Talk: **Modeling the factors that influence learner-centered teaching over time**
Ecological Society of America: 105th Annual Meeting
- 2019 Invited Talk: **Self-Efficacy and persistence of teaching professional development**
Bowling Green State University
- 2019 Talk: **Persistence of professional development in early-career biology faculty**
Ecological Society of America: 104th Annual Meeting
- 2019 Talk: **Persistence of professional development outcomes and self-efficacy in early-career faculty**
Society for the Advancement of Biology Education Research meeting
- 2018 Poster: **When flowers fade, fire risk grows: Phenology predicts flammability in semi-arid shrublands**
Poster: **Professional development: Evidence for predicting teaching practices in early-career biology faculty**
Ecological Society of America: 103rd Annual Meeting
- 2018 Poster: **Evidence for Predicting Teaching Practices in Early-Career Biology Faculty**
Teaching & Learning Spring Conference, Michigan State University
- 2017 Talk: **Coastal fog and plant flammability in California shrublands**
Talk: **Factors that predict teaching practices of early-career biology faculty**
Ecological Society of America: 102nd Annual Meeting
- 2017 Poster: **Contextual factors that impact early-career faculty teaching practices**
Society for the Advancement of Biology Education Research west conference
- 2015 Co-organizer and presented in the Organized session: **Head in the clouds: How fog and dew affects ecosystems around the world.**
Ecological Society of America: 100th Annual Meeting
- 2014 Poster: **Fog Water Use in Coastal California Shrub Species**
American Geophysical Union: Fall Meeting
- 2014 Talk: **Coastal fog effects on live fuel moisture of California shrublands**
MEDECOS XIII: Crossing Boundaries across Disciplines and Scales (Chile)
- 2014 Talk: **Foliar uptake and physiology of California shrub species**
Ecological Society of America 99th Annual Meeting
- 2013 Talk: **Fog water use in coastal California shrublands**
Ecological Society of America 98th Annual Meeting
- 2012 Talk: **How does fog affect fuel moisture?**
California Native Plant Society Conservation Conference

Professional Development/Training

Present	Language fluency: Proficient in reading, writing and speaking Spanish.
2025	Crucial Conversations training
2023	Racial Justice Workshop , Race Forward organization
2021	Equity and Diversity Facilitator Training , University of Wisconsin Madison
2021	Cultural Competency Training for Personal, Organizational and Community Change , College of Natural Science, Michigan State University
2021	Ecology and Justice Discussion Workshop , Cary Institute of Ecosystem Studies
2021	MSU Dialogues Program: Building Inclusive Communities , Michigan State University
2020	DEI Foundations course , Michigan State University
2019	Future Faculty Teaching Summit , Center for the Integration of Research Teaching and Learning
2018	PhysFest II: Short course in plant ecophysiology , Holden Arboretum/Kansas State University
2018	Student Success Summit and 2018 Teaching & Learning Spring Conference , Michigan State University • Participated in workshop on data-driven assessment of student learning
2017	BioQuest/QUBES Workshop , Making Meaning through Modeling: Problem solving in biology
2017	Advanced Learning through Evidence-Based STEM Teaching Course , Center for the Integration of Research Teaching and Learning
2016	Universal Design in Learning: Reaching and Teaching Diverse Learners , Center for the Integration of Research, Teaching and Learning
2016	Pathways to Scientific Teaching Course , Michigan State University
2016	Certificate in College and Undergraduate Teaching , UC Santa Barbara
2016	Geographic Information Systems course , Bren School of the Environment, UC Santa Barbara
2015	Software Carpentry R workshop , UC Santa Barbara
2015	Advanced Remote Sensing course , UC Santa Barbara
2013	Summer Teaching Institute for Associates , UC Santa Barbara
2011	Stable Isotopes in Ecology workshop , University of Utah
2011	Advanced Biostatistics course , UC Santa Barbara
2005	Costa Rica study abroad program , Organization for Tropical Studies

Professional Service

	Peer-Reviewer for: “International Journal of Wildland Fire”, “American Journal of Botany”, “CBE Life Science Education”, “Tree Physiology”, “CourseSource”, “Physical Review Physics Education Research”, “Annals of Botany”, “Plant, Cell, and Environment”, “Plant Ecology”, “Planta”, “Journal of Geophysical Research – Biogeosciences”, “Ecology & Evolution”, “Frontiers in Psychology”, “Science Advances”, “Science of the Total Environment”, “Journal of Geophysical Research – Biogeosciences”, “Ecology & Evolution”, “BioScience”
2021-2024	Associate Editor , Ecology & Evolution
2019-present	Subject Editor , CourseSource • An open-access journal of peer-reviewed teaching resources for undergraduate biology and physics

2021-2022	Equity, Diversity, and Community Committee member , Great Lakes Bioenergy Research Center
2021	Sustainability Meeting Planning Committee member , Great Lakes Bioenergy Research Center
2021	Plant Ecology Faculty Search Committee member , Plant Biology Department, Michigan State University
2019-2022	Publications Committee member , Ecological Society of America
2019	Search Committee member for Office of Postdoctoral Affairs Director, Michigan State University
2018-2019	Professional Development Committee Chair , Michigan State University – Postdoc Association
2018-2019	Chair , Ecological Society of America Early-Career Ecologists Section • Attended ESA Governing Board meetings and ran section activities/programs
2017-2018	Vice-Chair , Ecological Society of America Early-Career Ecologists Section • Organized and led a professional development webinar series
2013-2014	UC Natural Reserve System Graduate Student Representative , UC Santa Barbara
2011-2013	Departmental Seminar Series Coordinator , EEMB, UC Santa Barbara

Professional Membership

Ecological Society of America

Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)

Press & Outreach

2021	“Got Data? Instructors surveyed on using, teaching data science in life science courses” (https://natsci.msu.edu/news/got-data-instructors-surveyed-on-using-teaching-data-science-in-life-science-courses/)
2020	The Science Pawdcast (https://bunsenbernerbmd.buzzsprout.com/413041/3218998-season-2-episode-10-peak-cuteness-in-puppies-and-plants-with-dr-nate-emery)
2020	Biology on Tap , Grand Rapids, Michigan
2018-2020	Skype a Scientist
2017-2018	#ClimateChanged Blog author , Plant People
2017	Biology on Tap , Lansing, Michigan. • Two different science café talks on wildfires and non-native plants
2015	SciTrek , UC Santa Barbara Chemistry Department. • Taught 7th graders about electrochemistry
2015	Science on Site , SB Museum of Natural History. • Taught visitors how to do stomatal peels to learn about gas exchange
2013-2016	Scienceline contributor for educational outreach, UCSB • Answered science questions from students of all ages
2010-2016	Santa Barbara County Science Fair Judge (High school students) , UCSB
2014	SciencePub hosted by the Santa Barbara Natural History Museum Talk: <i>California on Fire: How native plants respond to wildfire</i>
2014	Santa Barbara Native Plant Society , Talk - Fog use in shrub species
2014	Santa Barbara Fire Safety Council , Talk - Fuel moisture research

- 2013 **Master Gardeners of Santa Barbara County**, Talk - Fire disturbance
- 2013 **SciencePub** hosted by the Santa Barbara Natural History Museum
 Talk: *I invade with a little help from my friends: How plants have moved around the world*
- 2013 **The Santa Barbara Sentinel** article about my research, pg. 23
 Title: *June Gloom is Good (Sort Of)*