

CONNOR MOROZUMI, PH.D

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EDUCATION

2016- 2022	Ph.D, Population Biology, Ecology, and Evolution, Emory University <i>Faculty Advisor: Dr. Berry Brosi</i>
2013-2015	M.S, Wildlife Science, Oregon State University Minor: Rangeland Ecology
2005-2010	B.A., Environmental Studies, University of California, Santa Cruz B.S., Health Sciences

PROFESSIONAL APPOINTMENTS

2022-2023	POSTDOCTORAL FELLOW. UNIVERSITY OF LOUISVILLE Supervisor: Dr. Natalie Christian
2017-2020	NDSEG GRADUATE FELLOW. EMORY UNIVERSITY Supervisor: Dr. Berry Brosi
2015-2016	CREW LEAD. OREGON STATE UNIVERSITY Supervisor: Dr. Katie Moriarty
2010-2012	LAB MANAGER. UNIVERSITY OF CALIFORNIA, SANTA CRUZ Supervisor: Dr. Erika Zavaleta
2011	CREW LEAD. UNIVERSITY OF CALIFORNIA, SANTA CRUZ Supervisor: Dr. Blair McLaughlin
2009-2010	RESEARCH ASSISTANT. UNIVERSITY OF CALIFORNIA, SANTA CRUZ Advisors: Dr. Erika Zavaleta, Dr. Blair McLaughlin, Dr. Dena Vallano

PUBLICATIONS

* Shared first authors † Undergrad co-author

10. **C.N. Morozumi**, X. Loy, V. Reynolds, A. Schiffer†, B. Morrison, J. Savage & B.J. Brosi. [Simultaneous niche expansion and contraction in plant-pollinator networks under drought](#). *Oikos*: e09265.
9. Endres, K.L.*†, **C.N. Morozumi***, X. Loy, H.M. Briggs, P.J. CaraDonna, A.M. Iler, D.A. Picklum, W. Barr, B.J. Brosi. 2021. [Plant-Pollinator Interaction Niche Broadens in Response to Severe Drought Perturbations](#). *Oecologia*, 197:577–588.
8. Wolf, A.A, J.L. Funk, P.C. Selman, **C.N. Morozumi**, D.L. Hernández, J.R. Pasari, E.S. Zavaleta. 2021. [Trait-based filtering mediates the effects of realistic biodiversity losses on ecosystem functioning](#). *Proceedings of the National Academy of Sciences, US*. 118(26): e2022757118.
7. Moriarty, K.M., K.B. Aubry, **C.N. Morozumi**, B.L. Howell, P.J. Happe, K.J. Jenkins, K.L. Pilgrim, and M.K. Schwartz. 2019. [Status of Pacific Martens \(*Martes caurina*\) on the Olympic Peninsula, Washington](#). *Northwest Science*, 93(2):122-136.
6. Civitello, D.J, B.E. Allman, **C.N. Morozumi**, and J.R. Rohr. 2018. [Assessing the direct and indirect effects of food provisioning and nutrient enrichment on wildlife infectious disease dynamics](#). *Philosophical Transactions of the Royal Society B*. 373: 20170101.
5. Dittel, J.W., D. Sanchez, L. M. Ellsworth, **C.N. Morozumi**, and R. Mata-Gonzalez. 2018. [Vegetation response to juniper reduction and grazing exclusion in sagebrush-steppe habitat in eastern Oregon](#). *Rangeland Ecology and Management*. 71(2): 213-219.

4. Fenn, M.E., A. Bytnerowicz, S.L. Schilling, D.M. Vallano, E.S. Zavaleta, S.B. Weiss, **C. Morozumi**, L.H. Geiser and K. Hanks, 2018. [On-road emissions of ammonia: An underappreciated source of atmospheric nitrogen deposition](#). Science of The Total Environment, 625: 909-919.
3. Bell, K.L., J. Fowler, K.S. Burgess, E.K. Dobbs, D. Gruenewald, B. Lawley, **C. Morozumi**, B.J. Brosi. 2017. [Applying pollen DNA metabarcoding to the study of plant-pollinator interactions](#). Applications in Plant Sciences. Applications in Plant Sciences. 5(6):1600124.
2. Hernández, D. L., D.M. Vallano, E.S. Zavaleta, Z. Tzankova, J.R. Pasari, S. Weiss, P.C. Selman, and **C. Morozumi**. 2016. [Nitrogen pollution is linked to U.S. listed species declines](#). Bioscience, 66 (3): 213-222.
1. McLaughlin, B., **C.N. Morozumi**, J. MacKenzie, A. Cole & S. Gennet. 2014. [Demography linked to climate change projections in an ecoregional case study: integrating forecasts and field data](#). Ecosphere, 5(7), art85.

TEACHING EXPERIENCE

COURSES TAUGHT AS INSTRUCTOR OF RECORD

2021	Course Developer and Faculty. Research in Biology, Shoals Marine Lab, University of New Hampshire/Cornell University
2020	Course Developer and Instructor. BIOL 386 Microbial Ecology Research Experience (CURE), Emory University
2014-2015	Instructor. FW 255. Field sampling of Fish and Wildlife, Oregon State University
2014	Instructor. FW 251. Principles of Fisheries and Wildlife, Oregon State University

CURRICULUM DEVELOPMENT AND PEDAGOGICAL TRAINING

2022	Participant. NSF Inclusive STEM Teaching Project Course. Certified Completion
2019	Course Developer and Instructor. PBEE 599 Statistics and Data Analysis, Emory University
2019	Participant. Science Education and Pedagogy. IBS 796, Emory University
2019	Participant. Research Mentor Training with the Entering Mentoring curriculum. Provided by the Wisconsin Institute for Science Education and Community Engagement (WISCIENCE) – University of Wisconsin, Madison.

TEACHING ASSISTANTSHIPS

2017	Graduate Teaching Assistant. BIOL 254 Ecology, Emory University
2017	Graduate Teaching Assistant. ENVS 260 Quantitative Methods in Environmental Sciences, Emory University

MENTORSHIP EXPERIENCE

* mentee from a minoritized background

2019	“Fostering Wellbeing” Mental Health Mentorship Training Emory University
2017-2019	REU Mentees: <i>Leandra Gonzalez*</i> , <i>Micah Sharer*</i> , <i>Dylan MacArthur</i> , <i>Aidan Fife</i>
2017-2019	Honor’s Theses: <i>Kelly Endres</i> , <i>Ellen Dymit</i>
2014	Independent Research Project: <i>Fiona McKibben</i>
2010-Present	Undergraduate Research Mentees: <i>Caleb Sowers</i> , <i>Eden Nitza</i> , <i>Sandra Mayne</i> , <i>Clara Lebow</i> , <i>Ellen Pero</i> , <i>Fiona McKibben</i> , <i>Kody Bankston</i> , <i>Elan Carnahan</i> , <i>Amber Kornak</i> , <i>Ian Holl</i> , <i>Paige Wilburn</i> , <i>Matthew Meckel</i> , <i>Heather Griffin</i> , <i>Sarah Wheatley</i>

RESEARCH FUNDING

2022-Present	NSF DEB (\$864,975)
2022-Present	USDA NIFA Postdoctoral Fellowship (\$106,000 in research funding; see below for additional fellowship funding)
2017-2019	ARCS Scholar (\$23,000)

FELLOWSHIPS & AWARDS

2022-Present	USDA NIFA Postdoctoral Fellowship (\$225,000)
2022	NSF Postdoctoral Fellowship: Broadening Participation (Received but declined)
2017-2021	National Defense Science and Engineering Graduate Fellowship (\$153,600)
2018	Population Biology, Ecology and Evolution Scholar of the Year
2015	Coombs-Simpson Memorial Fellowship (\$500)
2010	Honors in the Major, BA Environmental Studies

PRESENTATIONS

In bold presenter's name | † undergraduate student

INVITED ORAL PRESENTATIONS

Morozumi, C.N., October 2022. Mutualisms under global change: understanding responses of multispecies networks. San José State University. San José, CA.

Morozumi, C.N., September 2022. Mutualisms under global change: understanding responses of multispecies networks. University of Louisville. Louisville, KY.

Morozumi, C.N., X. Loy, V. Reynolds, A. Schiffer †, B. Morrison, J. Savage & B.J. Brosi, 2022. Plant-pollinator networks under drought: perturbation alters generality of interactions. Pacific Branch of the Entomological Society of America. Santa Rosa, CA.

CONTRIBUTED PRESENTATIONS

Morozumi, C.N., C. Sowers †, A. Curtsdotter, B.J. Brosi, F. Valdovinos. 2022. How does network structure change robustness to co-extinctions in mutualisms? Ecological Society of America/ Canadian Society for Ecology and Evolution joint meeting. Montreal, QC. Oral presentation.

Morozumi, C. N., B. Morrison & B.J Brosi, 2021. Plant-pollinator networks under drought: perturbation alters generality of interactions. Ecological Society of America Annual Meeting. Long Beach, CA. Oral presentation.

Loy, X., **Morozumi, C. N.**, B.J Brosi, A. Schiffer † & V. Reynolds, 2021. Effects of community-wide flowering phenology manipulation on plant-pollinator network structure and function. Botany Online. Oral presentation

Loy, X., **C. Morozumi**, A Schiffer †, BJ Brosi. 2020. Does advancing flowering phenology impact plant community seed set? Ecological Society of America Annual Meeting. Oral presentation.

Morozumi, C. N., X. Loy & B.J Brosi, 2018. The Effects of Accelerated Snowmelt on Subalpine Pollination Network Structure and Function. Workshop on Pollinators and Pollination Modeling, Fields Institute, Toronto ON. Poster

Morozumi, C. N., X. Loy & B.J Brosi, 2018. The Effects of Accelerated Snowmelt on Subalpine Pollination Network Structure and Function. Ecological Society of America Annual Meeting. New Orleans, LA. Poster.

Gonzalez, L.G. †, B.J. Brosi, **C.N. Morozumi**, X. Loy. 2018. The effects of early snowmelt on the pollination and seed production of *Delphinium nuttallianum*. Ecological Society of America Annual Meeting. New Orleans, LA. Poster.

Morozumi, C. N., K. Bell, E. Dobbs & B.J Brosi, 2017. Applying pollen DNA metabarcoding to the study of plant-pollinator interactions Ecological Society of America Annual Meeting. Portland, OR. Poster

Hernández, D. L., D.M. Vallano, E.S. Zavaleta, Z. Tzankova, J.R. Pasari, S. Weiss, P.C. Selman, and **C. Morozumi**. 2012. Local and regional patterns of atmospheric nitrogen pollution in greater San Francisco Bay Area serpentine grasslands. Society of Conservation Biology-N.A. Congress for Conservation Biology. Oakland, CA. Poster

PROFESSIONAL SERVICE

ACADEMIC

Peer Review: Oecologia, Ecology, Functional Ecology, Scientific Reports, Diversity, Arthropod-Plant Interactions
2020 **Workshop Developer.** Using a citation manager. Towson University
2019 **Graduate Representative.** Faculty Hiring Search Committee, Emory University
2019 **Volunteer.** RMBL Seminar Series, Rocky Mt. Biological Laboratory
2018 **Graduate Seminar Organizer.** Rocky Mt. Biological Laboratory
2017-2021 **Seminar Organizing Committee Member.** PBEE, Emory University
2014 **Program Coordinator, Co-creator.** FW Undergrad Mentorship Program, OSU
2014 **Graduate Faculty Representative.** FW Graduate Student Association, OSU
2014 **Student Promotion and Tenure Committee.** FW Department, OSU

DIVERSITY AND INCLUSION

2022-Present **Program Coordinator.** BioBridges and Biology Upper Level Living Learning Communities, University of Louisville
2022-Present **Founder & Faculty Advisor.** ESA SEEDS Chapter, University of Louisville
2021-Present **Facilitator.** Anti-racist reading group, University of Louisville
2019-2020 **Co-Chair.** Diversity and Inclusion Committee, Rocky Mt. Biological Laboratory
2019-2020 **Founder.** PBEE Diversity and Inclusion Committee, Emory University
2019 **Facilitator.** Working with Diverse Teams Ethics Workshop, Rocky Mt. Biological Laboratory

SCIENCE COMMUNICATION & OUTREACH

2020 **Invited Scientist.** Honey, Natives, and Beeyond
2020 **Invited Scientist.** Imagining The Future. Atlanta Science Festival
2017 **Presenter.** Mary Lin Elementary Science Night
2016-2018 **Presenter.** Grad Generation STEM Clubs Atlanta
2016 **STEM Symposium Reporter.** Grad. Div. of Biomed. and Biol. Sci., Emory University
2015 **Graduate Camp Leader.** OSU STEM Academy, Oregon State University
2014 **Mentor.** OSU STEM Academy, Oregon State University
2014 **Volunteer.** Linn Benton Salmon Watch, Oregon Trout