

JINGCHUN LI

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EDUCATION/APPOINTMENT

2023-	Associate Professor	Ecology and Evolutionary Biology, University of Colorado Boulder
2016-2023	Assistant Professor	Ecology and Evolutionary Biology, University of Colorado Boulder
2016-	Curator	Museum of Natural History, University of Colorado Boulder
2014-2016	Postdoctoral Fellow	Organismic and Evolutionary Biology, Harvard University
2008-2014	Ph.D.	Ecology and Evolutionary Biology, University of Michigan
2006-2007	Visiting Student	Biochemistry (honor thesis), University of Tübingen, Germany
2004-2008	B.S.	Biological Sciences, Capital Normal University, China

RESEARCH INTERESTS

Biotic interactions | Invertebrates | Marine biodiversity | Symbioses | Morphology | Macroevolution

PUBLICATIONS

* Li lab mentees

- 2023
33. Daniel Zarate*, Sheahan K* and **Li J**. Effective learning through a remote lab kit in an undergraduate invertebrate biology course. *Journal of College Science Teaching*. In press.
32. Sarah Leventhal, **Li J**, Sullivan G and Regan C. Comparing the impact of an informal education program on participant attitudes towards science across remote and in-person settings. *Journal of STEM Outreach*. In press.
31. Ruiqi Li*, **Li J**, et al. The genome sequence of the giant clam, *Tridacna crocea* (Lamarck, 1819). *Wellcome Open Research*. 8, 571.
30. Bridget Chalifour*, Elder L* and **Li J**. Diversity of gut microbiome in Rocky Mountainsnail across its native range. *PLOS ONE*. 18, e0290292.
- 2022
29. Katie Sheahan*, Zarate* D, Chalifour*B and **Li J**. Intraspecific transfer of algal symbionts can occur in photosymbiotic *Exaiptasia* sea anemones. *Symbiosis*. 89, 139-148.
28. **Jingchun Li**, Chapman J and Johnson P. Co-infesting symbionts on a threatened marine host: Evaluating correlations between an introduced parasitic isopod and a native symbiotic clam. *Marine Ecology Progress Series*. 695, 83-93.
27. Bridget Chalifour*, Elder L* and **Li J**. Gut microbiome of century-old snail specimens stable across time in preservation. *Microbiome*. 10, 99
26. Monica Medina et al. Grand challenges in coevolution. *Frontiers in Ecology and Evolution*. 9, 618251.

- 2021 25. John Chapman, **Li J**, McGowan M, Breitenstein R, Appy R, Hieb K, Piotrowski C and Elder L.* A doubled down invasion of the northeast Pacific by the Asian mud shrimp, *Upogebia major* and its coevolved bopyrid isopod parasite, *Orthione griffenis*. *Aquatic Invasions*. 16, 721-749.
24. Bridget Chalifour* and **Li J**. Characterization of the gut microbiome in wild rocky mountainsnails (*Oreohelix strigosa*). *Animal Microbiome*. 3, 49.
23. Bridget Chalifour* and **Li J**. A review of the molluscan microbiome: Ecology, methodology and future. *Malacologia*. 63, 285-304.
- 2020 22. Melanie Adams, Demmig-Adams B, Li R*, Zarate D* and **Li J**. Coral reef productivity and diversity—Contributions from enhanced photosynthesis via demand for carbohydrate from the host. *Marine Ecology*. 41, e12618.
21. Kelly Martin*, Johnson P, Bowerman J and **Li J**. Biogeography of the freshwater gastropod, *Planorbella trivolvis*, in the western United States. *PLoS ONE*. 15, e0235989.
20. Miriam Zelditch, **Li J** and Swiderski D. Stasis of functionally versatile specialists? *Evolution*. 74, 1356-1377.
19. **Jingchun Li**, Lemer S, Giribet G, Kirkendale L, Bieler R and Cavanaugh C. Shedding light: evolution of photosymbiosis in marine cockles. *BMC Evolutionary Biology*. 20, 50.
- 2019 18. Lindsey Dougherty*, Niebergall A, Broeckling C, Schauer K and **Li J**. Brightly coloured tissues in limid bivalves chemically deter predators. *Royal Society Open Science*. 6, 191298.
- 2018 17. **Jingchun Li**, Huang J-P, Sukumaran J and Knowles LL. Microevolutionary processes impact macroevolutionary patterns. *BMC Evolutionary Biology*. 18, 123.
16. **Jingchun Li**, Volsteadt M*, Kirkendale L and Cavanaugh C. Characterizing photosymbiosis between Fraginae bivalves and *Symbiodinium* using phylogenetics and stable isotopes. *Frontiers in Ecology and Evolution*. 6, 45.
- 2017 15. Lindsey Dougherty* and **Li J**. Molecular phylogeny and morphological distinctions of two popular bivalves - *Ctenoides scaber* and *Ctenoides mitis*. *Journal of Marine Biology*. 2017, 1-9.
14. Lindsey Dougherty*, Dubielzig R, Schobert C, Teixeira L and **Li J**. Optical morphology and visual capability of *Ctenoides ales*, the ‘disco’ clam. *Biology Open*. 6, 648-653 (Cover article).
13. Fatma Gomma, Lahr D, Todorov M, **Li J** and Lara E. A contribution to the phylogeny of agglutinating Arcellinida (Amoebozoa) based on SSU rRNA gene sequences. *European Journal of Protistology*. 59, 99-107.
- 2016 12. **Jingchun Li**, Ó Foighil D and Strong E. Commensal associations and marine benthic habitats shape macroevolution of the bivalve clade Galeommatoidea. *Proceedings of the Royal Society B*. 283, 20161006.

11. **Jingchun Li** and Ó Foighil D. Multiple losses of planktontrophic larval development in the cosmopolitan marine bivalve genus *Lasaea*. *American Malacological Bulletin*. 33, 1-6.
- 2015 10. Miriam Zelditch, **Li J**, Tran, LA and Swiderski, DL. Relationships of diversity, disparity, and their evolutionary rates in squirrels (Sciuridae). *Evolution*. 69, 1284-1300.
- 2014 9. Taehwan Lee, **Li J**, Churchill C and Ó Foighil D. Evolutionary history of a vanishing radiation: isolation-dependent persistence and diversification in Pacific island partulid tree snails. *BMC Evolutionary Biology*. 14, 202.
- 2013 8. Paul Valentich-Scott, Ó Foighil D and **Li J**. Where's Waldo? A new commensal species, *Waldo arthuri* (Mollusca: Bivalvia: Galeommatidae), from the Northeastern Pacific. *ZooKeys*. 316, 67-80.
7. **Jingchun Li**, Ó Foighil D and Park J. Triton's trident: cryptic Neogene divergences in a marine clam (*Lasaea australis*) correspond to Australia's three temperate biogeographic provinces. *Molecular Ecology*. 22,1933-1946.
6. Osamu Miura, Köhler F, Lee T, **Li J** and Ó Foighil D. Rare, divergent Korean *Semisulcospira* spp. mitochondrial haplotypes have Japanese sister lineages. *Journal of Molluscan Studies*. 79, 86-89.
- 2012 5. **Jingchun Li** and Ó Foighil D. Host-specific morphologies but no host races in the commensal bivalve *Neaeromya rugifera*. *Invertebrate Biology*. 131, 197-203.
4. **Jingchun Li**, Ó Foighil D and Middelfart P. The evolutionary ecology of biotic association in a megadiverse bivalve superfamily: sponsorship required for permanent residency in sediment. *PLoS ONE*. 7, e42121.
- 2011 3. Diarmaid Ó Foighil, **Li J**, Lee T, Johnson P, Evans R, et al. Conservation genetics of a critically endangered limpet genus and rediscovery of an extinct species. *PLoS ONE*. 6, e20496.
- 2009 2. **Jingchun Li** and Li S. Description of *Caridina Alba*, a new species of blind atyid shrimp from Tenglongdong cave, Hubei Province, China (Decapoda, Atyidae). *Crustaceana*. 83, 17-27.
- 2006 1. **Jingchun Li**, Cai Y and Clarke A. A new species of troglobitic freshwater prawn of the genus *Macrobrachium* from southern China (Decapoda: Palaemonidae). *The Raffles Bulletin of Zoology*. 54, 277-282.

Non-peer-reviewed publications:

- 2016 **Jingchun Li**. Early Career Malacologists Symposium: Introduction. *American Malacological Bulletin*. 34,147.
- 2014 Ryutaro Goto, **Li J** and Carter J. Superfamily Galeommatoidea in *Treatise on Invertebrate Paleontology* (book chapter).
- 2011 **Jingchun Li**. Why are there so many Galeommatoidean clams? *Malacological Society of Australasia Newsletter*. 142, 3 (report).

RESEARCH GRANTS

Major External Grants

- 2022 PurSUiT: Phylogenomics and taxonomic revision of Rhopalodiales - diatoms with obligate cyanobacterial endosymbionts. **National Science Foundation** (co-PI) \$811,924 to CU
- 2021 Uplift, a program that promotes the success of underrepresented undergraduates pursuing STEM research, **the David Lucile Packard Foundation** (co-PI) \$150,000
- Influence of rhizosphere microbes on duckweed transcriptome under elevated CO_2 , **Joint Genome Institute** (co-PI) \$8,112 for sequencing
- 2020 Symbiosis initiative - Photosymbiosis, **Wellcome Sanger Institute/Moore Foundation** (co-PI) \$304,000 to CU for sequencing
- Digitization TCN: Documenting Marine Biodiversity through Digitization of Invertebrate Collections (DigIn), **National Science Foundation** (co-PI) \$15,000 to CU
- Digitization PEN: Invertebrates from the Rocky Mountains and Great Plains, **National Science Foundation** (PI) \$149,976
- 2019 Packard Fellowship in Science and Engineering, **the David Lucile Packard Foundation** (PI) \$875,000
- Infectious Invasions: Understanding the impact of invasive parasites on the Pacific blue mud shrimp, **National Geographic Society** (PI) \$26,255
- Deciphering Interactions Among Marine Introduced Parasites and Native Hosts, **National Science Foundation** (PI) \$569,680
- Dovetail Tree of Life Grant, **Dovetail Genomics** (PI) \$8,000
- 2014 Ocean Sciences Postdoctoral Research Fellowship, **National Science Foundation** (PI) \$174,000
- National Geographic Society Waitt Grant, **National Geographic Society** (PI) \$8,044
- 2013 Doctoral Dissertation Improvement Grant, **National Science Foundation** (PI) \$18,722
- 2012 Young Explorers Grant, **National Geographic Society** (PI) \$5,000

Internal and Small External Grants

- 2023 Outreach Awards: Early-childhood science education resources for the Front Range deaf community and beyond. CU Boulder (co-PI)
- 2023 Greenwood Fund Grants for collection care, **Denver Foundation** (co-PI)
- 2022 Thrive Grants, CU Boulder (PI) \$6,720
- 2021 Empowering Marginalized Girls in STEM Through Symbiosis Modeling, CU Boulder (PI) \$16,425
- 2017-22 Outreach Awards: Girls at the Museum Exploring Science (GAMES), CU Boulder (PI) \$36,000 total

- 2018 Greenwood Fund Grants for collection care, **Denver Foundation** (co-PI)
- 2016, 2017 Instructional Improvement Awards, CU Boulder, EBIO (PI) \$41,076 total
- 2013 Rackham International Research Grant, University of Michigan (PI)
Donald W. Tinkle Scholarship, Museum of Zoology, University of Michigan (PI)
- 2011, 2012 Hinsdale Walker Scholarship, Museum of Zoology, University of Michigan (PI)
- 2010 Molluscan Research Grant, **the Malacological Society of Australasia** (PI)
Rackham Student Research Grant, University of Michigan (PI)
- 2009,2010 EEB Block Grant, University of Michigan (PI)
- 2009 Melbourne R. Carriker Student Research Award, **American Malacological Society** (PI)

AWARDS AND FELLOWSHIPS

- 2019 Packard Fellowship in Science and Engineering, the David Lucile Packard Foundation
- 2017 Outstanding Postdoctoral Mentor Award, University of Colorado Boulder
- 2013 Rackham Predoctoral Fellowship, University of Michigan
- 2010, 2013 Constance Boone Award for Best Student Presentation, American Malacological Society
- 2006 DAAD scholarship, German Academic Exchange Service, Germany

STUDENT GRANTS/FELLOWSHIPS/AWARDS

- 2023 Leadership team of the BIOFAIR Data Network project (Pittman)
Beverly Sears Grant, CU Boulder (Tan)
EBIO research grants, CU Boulder (Tan, Shaulsky)
- 2022 Alexander and Verderber Undergraduate Research Award, CU Boulder (Robinson)
Undergraduate Research Opportunities Program (UROP), CU Boulder (Robinson)
Best Undergraduate Poster Award, CU Boulder (Vasarhelyi)
Grants-in-Aid of Research, American Society of Mammalogists (Pittman)
Museum Student Research Award, CU Boulder (Pittman)
Student Travel Award, American Malacological Society (R.Li)
- 2021 Conchologists of America grants to malacology, Conchologists of America (Nielsen)
Melbourne R. Carriker Student Research Award, American Malacological Society (R.Li)
Oregon Sea Grant summer scholarship (Roa)
First place in the Animal Science category, Boulder County Science Research Symposium (DeBarros, high school mentee)
- 2020 EBIO research grants, CU Boulder (Chalifour, R.Li, Sheahan)
Beverly Sears Grant, CU Boulder (R.Li)
Undergraduate Research Opportunities Program (UROP), CU Boulder (Gary, Horan)

- 2019 Museum Student Research Award, CU Boulder (Chalifour)
 UGGS travel grant, CU Boulder (Chalifour)
 Graduate Research Fellowship (GRFP) honorable mention, National Science Foundation (Zarate)
 International Cassiopea Workshop travel grant, Penn State University (Zarate)
 EBIO research grants, CU Boulder (Zarate, R.Li)
 Lerner-Gray Fund for Marine Research, American Museum of Natural History (R.Li)
 Conchologists of America grants to malacology, Conchologists of America (R.Li)
 Peterson Elites Fellowship, China (R.Li)
- 2018 Graduate Research Internship (GRIP), National Science Foundation (Bye)
 UGGS travel grant, CU Boulder (Zarate, Martin)
 Beverly Sears Grant, CU Boulder (Chalifour, Zarate)
 Museum Student Research Award, CU Boulder (Chalifour, Martin)
 Colorado Mountain Club Fellowship, Colorado Mountain Club Foundation (Chalifour)
 Constance Boone award for best student presentation, American Malacological Society (Chalifour)
 Lerner-Gray Fund for Marine Research, American Museum of Natural History (Dougherty)
- 2017 Graduate Research Fellowship (GRFP), National Science Foundation (Bye)
 Undergraduate Research Opportunities Program (UROP), CU Boulder (Mendoza)
 Biological Sciences Initiative Scholarship, CU Boulder (Mendoza)
- 2016 Best Presentation Award, International Black Forest Summer School (Dougherty)

FIRST AUTHOR PRESENTATIONS

- 2023 American Malacological Society Annual Meeting, Tuscaloosa, AL
 Bivalve meeting, Cambridge, UK
 Gordon Conference - Animal Symbiosis, Lucca, Italy
- 2022 Packard Fellows Meeting, Monterey, CA
 World Congress of Malacology, Munich, Germany
- 2020 Packard Fellows Meeting, virtual.
- 2019 World Congress of Malacology (Keynote), Pacific Grove, CA
- 2018 Third Global Invertebrate Genomics Alliance research Conference, Curacao
- 2017 Society for Integrative and Comparative Biology Annual Meeting, New Orleans, LA
- 2015 American Malacological Society Annual Meeting, Pellston, MI
- 2014 American Malacological Society Annual Meeting, Mexico City, Mexico
 Fourth Annual Yosemite Symbiosis Workshop, Wawona, CA

- 2013 World Congress of Malacology, Azores, Portugal (best presentation award)
The Society for the Study of Evolution Annual Meeting, Snowbird, UT
- 2012 The Society for the Study of Evolution Annual Meeting, Ottawa, ON, Canada
The Society for Integrative and Comparative Biology Annual Meeting, Charleston, SC
- 2010 World Congress of Malacology, Phuket, Thailand
Joint Annual Meeting of the American Malacological Society and Annual Meeting of the Western Society of Malacologists, San Diego, CA (best presentation award)

CONTRIBUTING PRESENTATIONS

- 2023 American Malacological Society Annual Meeting, Tuscaloosa, AL
Bivalve meeting, Cambridge, UK
Gordon Conference - Animal Symbiosis, Lucca, Italy
Asia Pacific Coral Reef Symposium, Singapore
- 2022 World Congress of Malacology, Munich, Germany
International Symbiosis Society Congress, Lyon, France
- 2021 The Society for Integrative and Comparative Biology Annual Meeting
Association for the Sciences of Limnology and Oceanography Annual Meeting
American Malacological Society Annual Meeting
The International *Cassiopea* conference
- 2020 SACNAS–The National Diversity in STEM Conference, virtual
Biodiversity Genomics Conference, virtual
iDigBio/ADBC Summit, virtual
- 2019 World Congress of Malacology, California
Society for Integrative and Comparative Biology Annual Meeting, Florida
North American Association for Environmental Education Annual Conference, Kentucky
Children and Nature Network Annual Conference, California
- 2018 Society for Integrative and Comparative Biology Annual Meeting, California
American Society for Mass Spectrometry Conference on Mass Spectrometry and Allied Topics, California
Malacological Society of Australasia Annual Meeting, Australia
Joint Congress on Evolutionary Biology, France
American Malacological Society Annual Meeting, Hawaii
International Symbiosis Society Congress, Oregon
- 2017 Society for Integrative and Comparative Biology Annual Meeting, Louisiana

INVITED SEMINARS/LECTURES

- 2023 Keynote speaker, the fifth Global Invertebrate Genomics Alliance research conference, Cartagena, Colombia
- 2022 Departmental seminar, University of Michigan Ann Arbor
- 2021 Departmental seminar, California State University, Chico
 Departmental seminar, University of Northern Colorado
 Departmental seminar, University of Aberdeen, Scotland
- 2019 Deciphering the ecology and evolution of Bivalve photosymbiosis
 Western Interior Paleontological Society
 How biotic interactions shape the evolution of marine bivalves
 Friday Harbor Labs, University of Washington
- 2018 Evolution of bivalve photosymbiosis
 SACNAS—the National Diversity in STEM Conference
 Friends and Enemies, how biotic interactions shape the evolution of marine bivalves
 Hatfield Marine and Science Center, Oregon State University
- 2016 Living together - Evolutionary diversification of symbiotic marine bivalves
 University of Colorado Boulder
- 2015 Evolution of symbiotic Fraginae bivalves
 Marine Laboratory Seminar, University of Guam
 Macroevolution of Galeommatoidean bivalves
 Museum of Comparative Zoology Seminar, Harvard University
- 2012 Phylogeny, phylogeography and speciation of a megadiverse marine bivalve superfamily
 Enhancing Diversity, Quality, and Understanding of the Ecological and Evolutionary Sciences for Tomorrow Program, University of Michigan
 Trapped and diverged in Australia - Ancient mitochondrial lineages in a marine clam correspond to biogeographic provinces in temperate Australia
 Biogeography seminar (EEB 800), University of Michigan
- 2011 Variation in Populations
 Evolution (EEB 390), University of Michigan
- 2010 Testing host-mediated speciation in two marine commensal bivalve species
 The Swire Institute of Marine Science, University of Hong Kong
 Phylum Mollusca
 Animal Diversity (BIO 288), University of Michigan

TEACHING EXPERIENCE

- IR: Instructor Rating; CR: Course Rating; based on CU Boulder FCQ (0-6)
- 2013 Graduate Seminar in Symbiosis, CU Boulder
8 students, seminar
Museum Collections Management, CU Boulder
5 students, lecture
Animal Diversity: Invertebrates, CU Boulder
24 students, lecture and lab
- 2022 Graduate Seminar in Evolutionary Biology, CU Boulder
12 students, seminar
- 2021 Graduate Seminar in Evolutionary Biology, CU Boulder
10 students, seminar
Animal Diversity: Invertebrates, CU Boulder
23 students, lecture and lab
- 2020 Graduate Seminar in Evolutionary Biology, CU Boulder
6 students, seminar
- 2019 Graduate Seminar in Evolutionary Biology, CU Boulder
5 students, seminar, IR=6, CR=5.3
Marine Invertebrate Zoology, Friday Harbor Laboratories, University of Washington
15 students, lecture and lab, IR=4.8 out of 5, CR=4.9 out of 5
Museum Collections Management, CU Boulder
9 students, lecture, IR=5.7, CR=5.1
Animal Diversity: Invertebrates, CU Boulder
26 students, lecture and lab, IR=5.8, CR=5.6
- 2017 Museum Collections Management, CU Boulder
12 students, lecture, IR=5.3, CR=5.1
Animal Diversity: Invertebrates, CU Boulder
23 students, lecture and lab, IR=5.5, CR=5.5
- 2014 Freshman Seminar-Biology of Symbiosis (Guest Instructor), Harvard University
- 2011 Evolution (Graduate Student Instructor), Univ. of Michigan
- 2009-2011 Animal Diversity Laboratory (Graduate Student Instructor), Univ. of Michigan
- 2008 Introductory Biology Lab (Graduate Student Instructor), Univ. of Michigan

MENTORING EXPERIENCE

Postdoctoral & Research Associates

2020-2023 Viridiana Avila, Ph.D., Pennsylvania State University

2016-2018 Lindsey Dougherty, Ph.D., University of California Berkeley

Graduate Students (*graduated)

2022- Andy Tan, Ph.D., Ecology and Evolutionary Biology
 Maya Shaulsky, Ph.D., Ecology and Evolutionary Biology
 2021- Cameron Pittman*, MS., Museum and Field Studies
 2020-2022 Erika Nielson*, MS., Museum and Field Studies
 Emily Curcio*, MS., Ecology and Evolutionary Biology
 2019-2021 Katie Sheahan*, MS., Ecology and Evolutionary Biology
 2018- Ruiqi Li, Ph.D., Ecology and Evolutionary Biology
 2017-2022 Bridget Chalifour*, Ph.D., Ecology and Evolutionary Biology
 2017- Daniel Zarate, Ph.D., Ecology and Evolutionary Biology
 2017-2019 Kelly Martin*, MS., Museum and Field Studies
 2016-2019 Julie Byle*, MS., Museum and Field Studies

Undergraduate Students

2023- Kirby Merlo, Cody Fields, University of Colorado Boulder
 2022- 2023 Kayla Vasarhelyi, Celeste Robinson, University of Colorado Boulder
 2021 Sebastian Carver, Helen Silvester, Kayla Vasarhelyi, Celeste Robinson, Alexa Peach, Marcus Quintana, University of Colorado Boulder
 Joshua Mayo, University of California Santa Cruz
 Grace Roa, University of North Georgia
 2019-2021 Maddy Horan, Jaclyn Gary, University of Colorado Boulder
 2019 Jacob Di Biase, University of Colorado Boulder
 2017-2018 Spencer Hagerman, Briana Maldonado, Taylor Mendoza, University of Colorado Boulder
 2015 Alyssa Lawler, University of Michigan, NSF research intern
 2015 Megan Volsteadt, University of Guam, NSF research intern
 2014-2015 Angelo Christophe, University of Massachusetts, independent-study student
 2012-2013 Shriya Patel, Kalie Kehoe, Jon Jimenez, University of Michigan, work-study student
 2012 Sara Colom, University of Puerto Rico, REU: Enhancing Diversity, Quality, and Understanding of the Ecological and Evolutionary Sciences for Tomorrow
 2011-2012 Elizabeth Yu, University of Michigan, work-study student
 2010-2011 Heather Heiser, University of Michigan, research assistant

K-12 Students

2019-2020 Grateful Beckers, Elyse Debarros, Monarch High School
 2017-2018 Avery Allen, Sam Kalis, Monarch High School

PROFESSIONAL DEVELOPMENT

2020 North American Association for Environmental Education Annual Conference
 Children and Nature Network Annual Conference
 2018 Mentoring and Scientific Communication Workshop, NIH
 Faculty Teaching Excellence Program Summer Institute, CU Boulder
 2011 Graduate Teacher Certificate, Center for Research on Learning and Teaching, University of Michigan
 2008 Graduate Student Instructor Summer Workshop, University of Michigan

EDUCATION AND COMMUNITY OUTREACH RESEARCH

- Current Assessing the use of take-home experimental kit in remote teaching
 Designed and implemented a symbiont transfer experimental kit for students in the EBIO 3850 (Animal Diversity: Invertebrate), assess the effectiveness of this kit in teaching relevant ecological knowledge
- Girls At the Museum Exploring Science (GAMES)
 Program evaluation and assess how interactions with scientists impact 4-5th grade girls' perception on sciences
- 2017-2019 Nature based learning and leadership
 Developed strong partnership with Thorne Nature Experience, studied how leadership behaviors in informal education programs impact students identity and knowledge in STEM fields, especially for students from under-privileged communities.

UNIVERSITY OF COLORADO SERVICES

- Current Graduate Committee, EBIO
 Curriculum Committee, CU Boulder Museum of Natural History
 Faculty mentor (Mike Gil)
- 2022 Museum of Natural History Director Search Committee
 Packard Fellow Internal Selection Committee
- 2020-2021 Executive Committee, EBIO
 Teaching Peer Evaluation Committee, EBIO
 JEDI Committee, EBIO
 Curriculum Committee, University of Colorado Museum of Natural History
- 2019 Outreach Coordinator Search Committee, CU Boulder Museum of Natural History
 Personal Committee, CU Boulder Museum of Natural History
- 2018 Graduate Committee, EBIO
 Personal Committee, CU Boulder Museum of Natural History
- 2016 Faculty Search Committee, CU Boulder Museum of Natural History

EXTERNAL SERVICES

- Current Vice president (president-elect), American Malacological Society
 DEI Committee member, American Malacological Society
 Associated editor, *Frontiers in Ecology and Evolution*, *PeerJ*
Ad hoc reviewer, *PLoS ONE*, *Journal of Ecology and Evolution*, *Journal of the Marine Biological Association of the UK*, *Evolution*, *Molecular Phylogenetics and Evolution*, *Journal of Molluscan Studies*, *ZooKeys*, *Biology Letters*, *Zootaxa*, *Zoological Journal of Linnean Society*, *Journal of Biogeography*, *Biological Journal of Linnean Society*, *Malacologia*, *Scientific Advance*, etc.
- 2022 Panel proposal reviewer for the National Science Foundation
- 2021 External proposal reviewer, Agence Nationale de la recherche
- 2020 Panel proposal reviewer for the Conchologists of America

- 2018-2021 Councilor-at-large, American Malacological Society
- 2019 External proposal reviewer, National Geographical Society
External proposal reviewer, National Science Foundation
- 2016 External proposal reviewer, National Science Foundation
Guest editor, American Malacological Bulletin
- 2015 Symposium organizer, “Early Career Malacologists”, American Malacological Society
- 2014 Volunteer judge, the Great Lakes National Ocean Sciences Bowl
- 2013-2015 Student Councilor-at-large, American Malacological Society
- 2013 Faculty Search Committee, Ecology and Evolutionary Biology, University of Michigan
- 2011-2013 Graduate Affair Committee, Ecology and Evolutionary Biology, University of Michigan
- 2009, 2011 Experienced Graduate Student Instructor (GSI) Consultant, English Language Institute, University of Michigan

MUSEUM AND CURATORIAL EXPERIENCE

- 2016- Curator of Invertebrates, Museum of Natural History, University of Colorado Boulder
- Manage a team of 3–10 staff (collections managers, undergraduate and graduate student assistants, volunteers)
 - Curate, care for, develop, and promote a research collection of non-insect invertebrate species with a special focus on mollusks, totaling around 830,000 specimens
 - Maintain the collection as repositories for Colorado Parks and Wildlife and the Wyoming Game and Fish Department
 - 13,000 new specimens deposited since my arrival, including terrestrial, freshwater, and marine mollusks; marine crustaceans; and other terrestrial non-insect arthropods
 - Maintain a teaching collection that supports various classes and outreach activities, including Girls and the Museum Exploring Science (GAMES), the exhibition “Curious Connections”, Family Day, the STEAM fest, K-12 school tours, and public lectures
- 2014-2016 Postdoctoral researcher, Museum of Comparative Zoology, Harvard University
- 3D scan of marine bivalve shells
- 2013 Visiting student researcher, Western Australia Museum, Perth, Australia
- Field collection, cataloging, tissue processing and imaging of marine bivalves
- 2012 Curatorial assistant, Mollusk Division, Museum of Zoology, University of Michigan
- Collection management of the freshwater gastropod family Pleuroceridae
 - Digitizing specimen information for the Mollusk Division dry collection
- 2011 Visiting student researcher, Muséum National d’Histoire Naturelle, Paris, France
- Specimen processing and imaging of marine bivalves
- Visiting student researcher, Australian Museum, Sydney, Australia
- Field collection, cataloging, tissue processing and imaging of marine bivalves
- 2010, 2012 Visiting student researcher, Florida Museum of Natural History, FL
- Curation and imaging of galeommatoidean bivalves from the South Pacific

- 2010 Curatorial assistant, Mollusk Division, Museum of Zoology, University of Michigan
-Morphometric analysis of the endangered fresh water limpet *Rhodacmea*
- 2009 Visiting student researcher, Santa Barbara Museum of Natural History, CA
-Morphological study of Galeommatoidean bivalves
- 2005-2008 Curatorial assistant, National Zoological Museum of China, Beijing, China
-Specimen processing and updating taxonomy of arachnids

FUNDED MUSEUM PROJECTS

- 2020-2023
1. Digitization TCN: Documenting Marine Biodiversity through Digitization of Invertebrate Collections (DigIn), National Science Foundation (co-PI) \$15,000 to CU Boulder
-This project will image, georeference, and mobilize 65% of our non-mollusk marine invertebrate specimens, filling an important gap in our collection's digitization effort.
 2. Digitization PEN: Invertebrates from the Rocky Mountains and Great Plains, National Science Foundation (PI) \$149,976
-This project will mobilize 43,821 specimen records, georeference 8,000 gastropod lot records, as well as imaging type specimens and historical slides. This work will greatly increase the coverage of four important invertebrate phyla (Mollusca, Arthropoda, Porifera and Annelida) in the existing InvertEBase.