

# ANNIKA S. NELSON

Texas Christian University  
Department of Biology  
2800 S University Dr  
Fort Worth, TX 76109

Email: [annika.nelson@tcu.edu](mailto:annika.nelson@tcu.edu)  
Website: <https://annikanelsonlab.weebly.com/>  
Phone: (817) 257-6182

---

## RESEARCH INTERESTS

Mutualism and symbiosis; plant-insect interactions; population, community, and chemical ecology

---

## ACADEMIC APPOINTMENTS

- 2024-present      **Assistant Professor of Biology**, Texas Christian University
- 2023-2024      **USDA National Institute of Food and Agriculture Postdoctoral Fellow**, University of California, Irvine  
Research: Effects of gut symbiont diversity on bee health and probiotic function  
Advisor: Dr. Tobin Hammer
- 2020-2022      **Postdoctoral Associate**, Virginia Polytechnic Institute and State University  
Research: Chemical ecology of seed dispersal and fruit defense  
Advisor: Dr. Susan Whitehead

---

## EDUCATION

- 2015-2019      **Ph.D., Ecology & Evolutionary Biology**, University of California, Irvine  
Dissertation: Effects of climate change and biodiversity loss on mutualisms  
Advisor: Dr. Kailen Mooney
- 2015-2018      **M.S., Ecology & Evolutionary Biology**, University of California, Irvine
- 2011-2015      **B.A., Biology**, Oberlin College

---

## PUBLICATIONS

\*Undergraduate Mentee

### **Peer-reviewed:**

- (16) Watrous, K., M.J. Larson\*, [A.S. Nelson](#), and T.J. Hammer. *Accepted*. A culture collection of gut bacteria from wild bumble bees (*Bombus impatiens*). ***Microbiology Resource Announcements***.
- (15) [Nelson, A.S.](#) and K.A. Mooney. 2025. Different aspects of dominance are not equivalent when testing for trade-offs in ant communities. ***Ecology and Evolution*** 15:e72207.
- (14) [Nelson, A.S.](#), M.J. Larson\*, and T.J. Hammer. 2025. Core symbionts, age at inoculation, and diet affect colonization of the bumblebee gut by a common bacterial pathogen. ***Journal of Animal Ecology*** 94:985-998.
- (13) [Nelson, A.S.](#), M. Gelambi, E. Morales-M.\*, and S.R. Whitehead. 2023. Fruit secondary metabolites mediate the quantity and quality of a seed dispersal mutualism. ***Ecology*** 104:e4032.

- (12) [Nelson, A.S.](#) and K.A. Mooney. 2022. The ecology and evolution of interactions between ants and honeydew-producing hemipteran insects. ***Annual Review of Ecology, Evolution, and Systematics*** 53:379-402.
- (11) Whitehead, S.R., G. Schneider, R. Dybzinski, [A.S. Nelson](#), M. Gelambi, E. Jos, and N. Beckman. 2022. Fruits, frugivores, and the evolution of phytochemical diversity. ***Oikos*** 2022:e08332.
- (10) [Nelson, A.S.](#) and S.R. Whitehead. 2021. Secondary metabolites shape seed dispersal effectiveness. ***Trends in Ecology and Evolution*** 36:1113-1123.  
In the media: [How plant parents ensure that their kids make it far in life](#)
- (9) [Nelson, A.S.](#) and K.A. Mooney. 2021. Comparing the individual and combined effects of ant attendance and wing formation on aphid body size and reproduction. ***Annals of the Entomological Society of America*** 114:70-78.
- (8) Sheard, J.K., [A.S. Nelson](#), J.D. Berggreen, R. Boulay, R.R. Dunn, and N.J. Sanders. 2020. Testing trade-offs and the dominance-impoverishment rule among ant communities. ***Journal of Biogeography*** 47:1899-1909.
- (7) [Nelson, A.S.](#), G. Zapata\*, K. Sentner\*, and K.A. Mooney. 2020. Are ants botanists? Ant associative learning of plant chemicals mediates foraging for carbohydrates. ***Ecological Entomology*** 45:251-258.
- (6) [Nelson, A.S.](#), C.T. Symanski, M.J. Hecking\*, and K.A. Mooney. 2019. Elevational cline in herbivore abundance driven by a monotonic increase in trophic-level sensitivity to aridity. ***Journal of Animal Ecology*** 88:1406-1416.  
[Shortlisted for the Journal of Animal Ecology Elton Prize for best paper by an early career researcher](#)
- (5) [Nelson, A.S.](#), R.T. Pratt, J.D. Pratt, R.A. Smith, C.T. Symanski, C. Prenot, and K.A. Mooney. 2019. Progressive sensitivity of trophic levels to warming underlies an elevational gradient in ant-aphid mutualism strength. ***Oikos*** 128:540-550.
- (4) [Nelson, A.S.](#), N. Carvajal Acosta, and K.A. Mooney. 2019. Plant chemical mediation of ant behavior. ***Current Opinion in Insect Science*** 32:98-103.
- (3) Nell, C.S., M.M. Meza-Lopez, J.R. Croy, [A.S. Nelson](#), X. Moreira, J.D. Pratt, and K.A. Mooney. 2018. Relative effects of genetic variation *sensu lato* and sexual dimorphism on plant traits and associated arthropod communities. ***Oecologia*** 187:389-400.
- (2) [Nelson, A.S.](#), T. Scott, M. Barczyk, T.P. McGlynn, A. Avalos, E. Clifton, A. Das, A. Figueiredo, L. Figueroa, M. Janowiecki, S. Pahlke, J.D. Rana, and S. O'Donnell. 2018. Day/night upper thermal limits differ within *Ectatomma ruidum* ant colonies. ***Insectes Sociaux*** 65:183-189.
- (1) Mooney, E.H., J.S. Phillips, C.V. Tillberg, C. Sandrow, [A.S. Nelson](#), and K.A. Mooney. 2016. Abiotic mediation of a mutualism drives herbivore abundance. ***Ecology Letters*** 19:37-44.

**Other publications:**

[Nelson, A.S.](#) 2023. Book Review of 'The guests of ants: how myrmecophiles interact with their hosts.' ***The Quarterly Review of Biology*** 98:169.

Moore, C., A. Shaw, B. Bruninga-Socolar, E. Caves, A. Karnish, K. Kiesewetter, A.S. Nelson, and E. Pringle. 2023. The movement ecology of mutualism (CSEE/ESA 2022, OOS17). *Bulletin of the Ecological Society of America* 104:e02063.

---

## GRANTS, FELLOWSHIPS, & AWARDS

**Grants and fellowships:** total = \$541,654

2025	\$10,500	<b>Research and Creative Activities Fund and Junior Faculty Summer Research Program</b> , Texas Christian University (TCU)
2025	\$3,300	<b>Principal Investigator Fellowship</b> , Johnson Family Endowment, Rocky Mountain Biological Laboratory (RMBL)
2024	\$47,060	<b>Dean's Opportunity Fund</b> , College of Science and Engineering, TCU
2023-26	\$218,064	<b>National Institute of Food and Agriculture Postdoctoral Fellowship</b> , United States Department of Agriculture
2023	\$25,000	<b>Diversity Postdoctoral Fellowship</b> , Office of Diversity, Equity & Inclusion, UC Irvine
2016-19	\$138,000	<b>Graduate Research Fellowship Program</b> , National Science Foundation
2019	\$11,795	<b>Dean's Dissertation Fellowship</b> , UC Irvine
2018-20	\$10,000	<b>Achievement Rewards for College Scientists Fellowship</b> , UC Irvine - for the university's most academically superior doctoral students exhibiting outstanding promise as scientists, researchers, and public leaders
2017	\$800	<b>Graduate Research Grant</b> , Colorado Mountain Club Foundation
2017	\$700	<b>Scholarship to attend the Biology of Neotropical Social Insects Course</b> , Organization for Tropical Studies
2015-19	\$4,560	<b>Graduate Research Grants (x5)</b> , RMBL
2015	\$15,000	<b>Graduate Fellowship</b> , School of Biological Sciences, UC Irvine - for UC Irvine's most academically superior beginning doctoral students
2015	\$325	<b>Leo S. Millar Memorial Prize</b> , Department of Biology, Oberlin College - for academic excellence and future promise in the field of biological sciences
2014	\$2,750	<b>Scholarships in Zoology (x2)</b> , Department of Biology, Oberlin College - for research at a field station
2013	\$5,800	<b>Research Experience for Undergraduates</b> , National Science Foundation - Department of Entomology, Texas A&M University
2011-15	\$48,000	<b>John F. Oberlin Scholarship</b> , Oberlin College

**Academic awards:**

2019	<b>Shortlisted</b> , Journal of Animal Ecology Elton Prize for the best paper by an early career researcher
------	---

- 2019 **Best Talk Award**, Winter Ecology and Evolutionary Biology Graduate Student Symposium, UC Irvine
- 2015 **Elected**, Phi Beta Kappa, Oberlin College

## PROFESSIONAL EXPERIENCE

- 2016-19 **Graduate Student Researcher**, Rocky Mountain Biological Laboratory (RMBL). Research: Effects of climate change and biodiversity loss on mutualisms. Advisor: Dr. Kailen Mooney.
- 2015 **Research Assistant**, RMBL. Research: Elevational cline in multi-trophic interaction strength. Advisor: Dr. Kailen Mooney.
- 2014 **Researcher**, Summer Undergraduate Education Program, RMBL. Research: Effects of light intensity on ant-aphid mutualisms. Advisor: Dr. Kailen Mooney.
- 2013-15 **Research Assistant**, Department of Biology, Oberlin College. Research: Insect disease ecology and evolutionary biology. Advisors: Dr. Mary Garvin and Dr. Chris Anderson.
- 2013 **NSF REU-EXCITE Fellow**, Department of Entomology, Texas A&M University. Research: Variation in ant-plant protection mutualism strength. Advisor: Dr. Micky Eubanks.
- 2013 **Herbarium Intern**, B.B. Harris Botanical Collection, Elm Fork Natural Heritage Museum, University of North Texas. Work: Cataloged herbarium specimens. Advisor: Dr. James Kennedy.
- 2010 **Research Assistant**, Department of Biology, University of North Texas. Research: Stream ecology. Advisor: Dr. James Kennedy.

## SELECTED PRESENTATIONS

\* Presenter

### **Invited Talks:**

Nelson, A.S.\* Causes and consequences of biodiversity in mutualisms.

**10/2025**: Seminar, University of North Texas, Denton, TX

**07/2025**: Seminar, Rocky Mountain Biological Laboratory, Gothic, CO

**03/2025**: Seminar, Department of Biology, University of Texas at Arlington, Arlington, TX

**01/2025**: Seminar, Division of Biology, Texas Woman's University, Denton, TX

**03/2024**: Seminar, Ecology & Evolutionary Biology Dept., University of California, Irvine, CA

**11/2023**: Seminar, Ecology, Evolution and Organismal Biology Dept., Brown University, Providence, RI

**11/2023**: Seminar, Biology Dept., Texas Christian University, Fort Worth, TX

**05/2023**: Seminar, Biological Sciences Dept., California State University, Chico, CA

Burt, M.A.\*, A.S. Nelson, C. Kwit, and S.R. Whitehead. Unraveling the effects of multivariate climate change on seed dispersal by ants: a mesocosm approach.

**08/2025**: Ecological Society of America Annual Meeting, Baltimore, MD

Nelson, A.S.\* and K.A. Mooney. Indirect plant defense depends on ant behavior in protection mutualisms with aphids.

**11/2023**: Entomological Society of America Annual Meeting, Baltimore, MD

Whitehead, S.R.\*, [A.S. Nelson](#), and M.A. Burt. Chemical ecology of ant-mediated seed dispersal in a native spring ephemeral of eastern forests of North America.

**10/2023:** Reunión Argentina de Ecología, San Carlos de Bariloche, Argentina

[Nelson, A.S.\\*](#), M.A. Burt, and S.R. Whitehead. Changes in plant chemical traits across space and time mediate interactions with fruit consumers.

**07/2023:** Botanical Society of America Annual Meeting, Boise, ID

**02/2023:** Plant-Herbivore Interaction Gordon Research Seminar, Ventura, CA

[Nelson, A.S.\\*](#), M. Gelambi, E. Morales-M., and S.R. Whitehead. Fruit secondary metabolites decrease the quantity and quality of secondary seed dispersal.

**08/2022:** Ecological Society of America Annual Meeting, Montréal, Canada

[Nelson, A.S.\\*](#) Biodiversity effects and trade-offs mediate the outcomes of mutualisms.

**03/2022:** Seminar, Biology Department, Occidental College, Los Angeles, CA

**02/2022:** Seminar, Department of Biological Sciences, Virginia Tech, Blacksburg, VA

### **Contributed Talks:**

[Nelson, A.S.\\*](#), M.J. Larson, and T.J. Hammer. Core symbionts, age at inoculation, and diet affect colonization of the bumblebee gut by a common bacterial pathogen.

**08/2025:** Ecological Society of America Annual Meeting, Baltimore, MD

[Nelson, A.S.\\*](#), M.A. Burt, and S.R. Whitehead. How does temporal variation in fruit defense mediate seed dispersal by ants?

**08/2021:** Ecological Society of America Annual Meeting, Virtual Conference

[Nelson, A.S.\\*](#) and K.A. Mooney. The effects of mutualist ant species diversity on aphid demography.

**08/2019:** Ecological Society of America Annual Meeting, Louisville, KY

**Best talk award, 03/2019:** Winter EEB Graduate Symposium, UC Irvine, Irvine, CA

[Nelson, A.S.\\*](#) and K.A. Mooney. 2018. The effects of ant competition on mutualist aphid demography.

**08/2018:** Ecological Society of America Annual Meeting, New Orleans, LA

[Nelson, A.S.\\*](#), C.T. Symanski, M.J. Hecking, and K.A. Mooney. Elevational cline in herbivore abundance driven by altered protection mutualism with ants.

**08/2017:** Ecological Society of America Annual Meeting, Portland, OR

**04/2017:** Organization for Tropical Studies, Costa Rica

C.S. Nell, Meza-Lopez\*, M.M., J.R. Croy, [A.S. Nelson](#), A. Katsanis, J.D. Pratt, and K.A. Mooney. Plant genotypic variation and sex influence *Baccharis salicifolia* trait variation and plastic response to precipitation.

**08/2017:** Ecological Society of America Annual Meeting, Portland, OR

E.H. Mooney, J.S. Phillips, C.V. Tillberg, C. Sandrow, [A.S. Nelson](#), and K.A. Mooney\*. Abiotic and multitrophic determinants of geographic distribution in an herbivorous insect.

**08/2014:** Ecological Society of America Annual Meeting, Sacramento, CA

### **Contributed Posters:**

[Nelson, A.S.\\*](#) and K.A. Mooney. 2025. Biodiversity enhances the functioning of an aphid protection mutualism.

**02/2025:** Plant-Herbivore Interaction Gordon Research Conference, Pomona, CA

Nelson, A.S.\*, M.A. Burt, and S.R. Whitehead. Changes to fruit chemical traits across space and time reflect adaptations to seed dispersal.

**09/2024:** Research and Creative Activities Poster Session, TCU, Fort Worth, TX

**02/2023:** Plant-Herbivore Interaction Gordon Research Conference, Ventura, CA

Burt, M.A.\* , A.S. Nelson, C. Kwit, and S.R. Whitehead. Experimental warming effects on myrmecochory: a case study of an ant-dispersed plant, *Sanguinaria canadensis*, and its seed disperser, *Aphaenogaster rudis*.

**09/2023:** Virginia Natural History Society Meeting, Radford, VA

**02/2023:** Plant-Herbivore Interaction Gordon Research Conference, Ventura, CA

**08/2022:** Ecological Society of America Annual Meeting, Montréal, Canada

**07/2022:** Phytochemical Society of North America Annual Meeting, Blacksburg, VA

Nelson, A.S.\* and K.A. Mooney. Mechanisms of global change effects on herbivores.

**02/2019:** Plant-Herbivore Interaction Gordon Research Conference, Ventura, CA

---

## TEACHING

### Instructor of Record:

- 2025 **BIOL 40720/70950: Advanced Ecology**, Department of Biology, TCU - upper-level undergraduate and graduate lecture and lab course
- 2025 **BIOL 60133: Introduction to Scientific Communication**, Department of Biology, TCU - graduate seminar
- 2024- **BIOL 30403: Ecology and the Environment**, Department of Biology, TCU - undergraduate majors' course
- 2024- **BIOL 40911: Discussions in Biological Research**, Department of Biology, TCU - seminar for undergraduate research students
- 2015 **Feces: A Cultural and Scientific Excursion**, Oberlin Experimental College - course examining the profound ways in which human excrement impacts the environment and society by altering climates, spreading diseases, and shaping cultural norms

### Invited Guest Lectures & Workshops:

- 2020 **Ecology**, University of San Diego, Instructor: Dr. Wilnelia Recart
- 2019 **Quantitative Methods in Ecology and Evolution**, UC Irvine, Instructor: Dr. Diane Campbell
- 2019 **Ecology Group**, UC Irvine; Designed and led a three-hour workshop on integral projection models
- 2018 **Graduate Ecology Course**, UC Irvine, Instructor: Dr. Jennifer Martiny
- 2018 **Alpine Field Ecology**, University of Ottawa and the Rocky Mountain Biological Laboratory (RMBL), Instructor: Dr. Jessica Forrest
- 2017 **Making Observations Workshop**, Summer Education Program, RMBL

### Teaching Assistantships:

- 2016 **Global Sustainability**, Department of Ecology and Evolutionary Biology, UC Irvine
- 2016 **Organisms to Ecosystems**, Department of Ecology and Evolutionary Biology, UC Irvine
- 2015 **Field Biology**, Department of Ecology and Evolutionary Biology, UC Irvine
- 2013-15 **Organismal Biology Laboratory**, Biology Department, Oberlin College
- 2012 **Genetics, Evolution, and Ecology Laboratory**, Biology Department, Oberlin College

### Pedagogical Training:

- 2023 **Inclusive Course Design Institute**, Division of Teaching Excellence and Innovation (DTEI), UC Irvine - for fostering diversity, equity, inclusion, and accessibility in the classroom
- 2016,18 **Education Seminar in Ecology and Evolutionary Biology**, UC Irvine - for syllabus development
- 2018 **Certificate in Course Design**, DTEI, UC Irvine - for incorporating backwards design and active learning techniques in the classroom
- 2016 **Mentoring Excellence Certificate**, Graduate Professional Success Program, UC Irvine - for developing inclusive mentoring practices

---

## STUDENT MENTORING & OUTREACH

### Graduate student advising:

- 2025- **Lemon Lynch**, Ph.D. Student, Texas Christian University
- 2024- **Spencer Levings**, Ph.D. Student, Texas Christian University

### Graduate student thesis committee membership:

- 2025- **Cami Middlebrooks**, Ph.D. Student, Biology Department, TCU
- 2025- **Kira Gangbin**, Ph.D. Student, Biology Department, TCU
- 2025 **Justin Hunt**, Ph.D. Student, Biology Department, TCU
- 2023 **Jamie Campos**, M.S. Student, Counseling Psychology Program, Texas Woman's University

### Undergraduate and high school student mentoring:

- 2025- **Dylan Masson**, Undergraduate Honors Student, TCU
- 2025- **Maddie Matthews**, Undergraduate Research Student, TCU
- 2025- **Maddie Benware**, Undergraduate Research Student, TCU
- 2025- **Anisha Sakhare**, Undergraduate Research Student, TCU
- 2025- **Preston Avant**, Undergraduate Research Student, TCU
- 2025 **Reagan Forney**, High School Student Researcher, TCU
- 2025 **Chelsea Song**, High School Student Researcher, TCU
- 2024- **Jamie Clark**, Undergraduate Research Student, TCU
- 2024-25 **Natalie Plascencia**, Undergraduate Research Student, TCU
- 2023-24 **McKenna Larson**, Undergraduate Honors Student, UC Irvine
- 2024 **Jackson Penney**, Oberlin College Winter Term Intern, UC Irvine
- 2023 **Niaz Jahanbin**, Undergraduate Research Student, UC Irvine
- 2023 **Sophia Aredas**, Undergraduate Research Assistant, UC Irvine
- 2022-23 **Rebecca Senft**, Graduate School Applicant, EEB Mentor Match Program
- 2022 **Logan Peters**, Undergraduate Research Assistant, Virginia Tech
- 2022 **Lee Matthew**, Undergraduate Research Assistant, Virginia Tech
- 2021 **Katherine Quiring**, Undergraduate Research Assistant, Virginia Tech
- 2021-22 **Daniel Rojas**, Graduate School Applicant, EEB Mentor Match Program
- 2019 **Nhan Nguyen**, NSF-REU Fellow, Undergraduate Research Program, RMBL
- 2018 **Guillermo Zapata**, NSF-REU Fellow, Undergraduate Research Program, RMBL
- 2018 **Parker Hawk**, High School Student Researcher, RMBL
- 2017 **Keegan Sentner**, Undergraduate Researcher, Undergraduate Research Program, RMBL

### Tutoring:

- 2020 **Writing Tutor**, NSF GRFP Proposal Writing Workshop, Virginia Tech  
2016-18 **Writing Tutor**, NSF GRFP Proposal Writing Workshop, UC Irvine  
2014-15 **Quantitative Skills Tutor**, Drop-In Center for Learning, Education, and Research in the Sciences, Oberlin College  
2014 **Science and Math Tutor**, Guyer High School, Denton, Texas  
2013 **Biology Tutor**, Oberlin College  
2013 **Chemistry Tutor**, Oberlin College  
2012 **Discrete Math Tutor**, Oberlin College

### K-12 education:

- 2025 **Booth Host**, Earth Day Celebration, Fort Worth Botanic Garden - presented a live bee demonstration to approximately 100 K-12 students and adult visitors  
2020-24 **Presenter**, Skype A Scientist Program - discussed research with 20 fifth graders at Juanita Elementary School, Kirkland, WA; 40 middle school students at Karachi American School, Karachi, Pakistan; 60 second graders at El Camino Creek Elementary School, Carlsbad, CA; 20 second graders at Hockinson Heights Elementary School, Brush Prairie, WA  
2023 **Science & Engineering Fair Judge**, Irvine Unified School District, Irvine, CA  
2022 **Museum Display Designer**, SEEDS Nature Center, Blacksburg, VA - developed an informational display on seed dispersal ecology, including live colonies of a local seed-dispersing ant; receives 5,000+ visitors annually  
2020 **Presenter**, LAB Chat Program, Science Museum of Western Virginia, Roanoke, VA - discussed ant-aphid ecology research with fifth grade students  
2016-17 **Exam Writer and Event Supervisor**, Science Olympiad regional academic competition - "Ecology" and "Dynamic Planet" oceanography categories, middle and high school levels  
2016 **Volunteer Scientist**, "Ask-A-Scientist Night," Rancho San Joaquin Middle School - advised students on science fair projects  
2013 **Presenter**, NSF REU-EXCITE program, Texas A&M University - discussed entomology research with eighth grade students  
2006-10 **Teaching Assistant**, Elm Fork Environmental Education Center, University of North Texas - environmental education camps for children (ages 7-13)

---

## ACADEMIC, SCIENTIFIC, & COMMUNITY SERVICE

### Grant review panels:

- 2025 **Panelist**, National Science Foundation

### Peer review:

*The American Naturalist; Arctic, Antarctic, and Alpine Research; Biological Invasions; Biotropica; Ecology; Ecology and Evolution (x3); Ecological Entomology (x2); Entomologia Experimentalis et Applicata; Environmental Entomology; Evolutionary Ecology (x2); Frontiers in Ecology and Evolution; Functional Ecology; Insectes Sociaux; International Journal of Plant Sciences; Journal of Applied Ecology; Journal of Economic Entomology; New Phytologist; Oikos (x5); Proceedings of the National Academy of Sciences; Proceedings of the Royal Society B; Scientific Reports (x2); Trends in Ecology and Evolution (x2)*

**Texas Christian University:**

2024 **Member**, Assistant Professor of Ecology Search Committee, Department of Biology

**University of California, Irvine:**

- 2023 **Panelist**, NSF GRFP Q&A Session, Society for the Advancement of Chicanos/Hispanics and Native Americans in Science, UC Irvine Chapter
- 2023 **Postdoctoral Mentor**, Association for Women in Science, UC Irvine Chapter - mentored four graduate students in professional development topics
- 2017-18 **Member**, Assistant Professor of Ecology Search Committee, Department of Ecology and Evolutionary Biology (EEB); resulted in the hiring of two assistant professors
- 2017-18 **Member**, "What can I do with my PhD?" Jobs Symposium Planning Committee, EEB
- 2016-17 **Member**, Graduate Student Recruitment Planning Committee, EEB, 2016-17
- 2015 **Panelist**, REU Information Session - provided information to undergraduates about applying to and participating in NSF-REU programs

**Rocky Mountain Biological Laboratory:**

- 2022-23 **Member**, Graduate Student Fellowship Committee
- 2018-19 **Chair**, Diversity and Inclusion Committee
- 2014,19 **Scientist**, "Dinner with Scientists" Event - discussed research with the general public
- 2018-19 **Workshop Leader**, "Introduction to Research at RMBL"
- 2017-18 **Assistant Seminar Coordinator**, Summer Seminar Series
- 2017-18 **Hike Leader**, Student Orientation Hikes
- 2016-17 **Panel Member**, "Graduate School in Ecology"
- 2016 **Volunteer**, "Open House" Event - discussed research with the general public

**Community service:**

- 2023 **Judge**, Phytochemical Section Best Oral Presentation Award, Botanical Society of America Annual Meeting
- 2021,22 **Judge**, Buell/Braun Student Awards, Ecological Society of America Annual Meeting
- 2016-18 **Certified Trail Guide**, Irvine Ranch Conservancy
- 2012 **Volunteer**, Cloud Forest School, Monteverde, Costa Rica

---

**ADVANCED COURSEWORK & TRAINING**

- 2025 **Rethinking Your Research Funding Course**, National Center for Faculty Development and Diversity
- 2025 **TCU Ally 1.0 Workshop**, TCU LGBTQ+ Resources, Fort Worth, TX
- 2025 **Faculty Success Program**, National Center for Faculty Development and Diversity
- 2024-25 **New Faculty Mentoring Program**, College of Science and Engineering, TCU, Fort Worth, TX
- 2024-25 **R2 Strong Proposal Development Program**, Office of Sponsored Programs, TCU, Fort Worth, TX
- 2023 **R-Based Analysis of Microbiome Amplicon Sequence Data**, Microbiome Center, UC Irvine, Irvine, CA
- 2023 **Atlassian Wiki Scientists Course**, Wiki Education, San Francisco, CA
- 2017 **Integral Projection Models: Demography in a Continuous World**, Transmitting Science, Barcelona, Spain

