

## JESSICA L. TINGLE

ASSISTANT PROFESSOR, BROWN UNIVERSITY  
ECOLOGY, EVOLUTION AND ORGANISMAL BIOLOGY  
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### PROFESSIONAL APPOINTMENTS

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<b>Assistant Professor, Brown University</b> Department of Ecology, Evolution and Organismal Biology	7/2025–present
<b>NSF Postdoctoral Fellow, University of Akron</b> Department of Biology Sponsoring scientist: Henry Astley	9/2023–6/2025
<b>Postdoctoral Researcher, University of Akron</b> Department of Biology Advisor: Henry Astley	10/2021–8/2023

### EDUCATION

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<b>Ph.D. Evolution, Ecology, and Organismal Biology</b> University of California, Riverside; Advisor: Theodore Garland, Jr.	2021
<b>B.S. Biological Sciences</b> Cornell University; Cum Laude and Distinction in Research	2012

### PEER-REVIEWED PUBLICATIONS

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- 15 **Tingle, J.L.** 2025. A conceptual framework for integrative work in organismal biology, bioinspired design, and beyond. *Integrative and Comparative Biology* 65(6): 1526-1535.
- 14 **Tingle, J.L., K.L. Garner, and H.C. Astley.** 2025. Fluoromicrometry reveals minimal influence of tendon elasticity during snake locomotion. *Journal of Experimental Biology* 228(5): jeb249259.
- 13 **Tingle, J.L., K.L. Garner, and H.C. Astley.** 2024. Functional diversity of snake locomotor behaviors: A review of the biological literature for bioinspiration. *Annals of the New York Academy of Sciences* 1533(1): 16-37.
- 12 Garner, K.L., J.M. Ryan, **J.L. Tingle**, C.A.M. Hickerson, C.D. Anthony. 2024. Covariation and repeatability of aggressive and risk-taking behaviors in a terrestrial salamander (*Plethodon cinereus*). *Animal Behaviour* 213: 1-10.

- 11 **Tingle, J.L.**, B.M. Sherman, and T. Garland, Jr. 2023. Locomotor kinematics on sand vs. vinyl flooring in the sidewinder rattlesnake *Crotalus cerastes*. *Biology Open* 12: bio060146.
- 10 **Tingle, J.L.**, D.J. Jurestovsky, and H.C. Astley. 2023. The relative contributions of multiarticular snake muscles to movement in different planes. *Journal of Morphology* 284(6): e21591.
- 9 Jurestovsky, D.J., **J.L. Tingle**, and H.C. Astley. 2022. Corn snakes show consistent sarcomere length ranges across muscle groups and ontogeny. *Integrative Organismal Biology* 4(1): obac040.
- 8 **Tingle, J.L.**, B.M. Sherman, and T. Garland, Jr. 2022. Scaling and relations of morphology with locomotor kinematics in the sidewinder rattlesnake *Crotalus cerastes*. *Journal of Experimental Biology* 225(7): jeb243817.
- 7 Rieser, J.M., T-D. Li, **J.L. Tingle**, D.I. Goldman, and J.R. Mendelson III. 2021. Functional consequences of convergently-evolved microscopic skin features on snake locomotion. *Proceedings of the National Academy of Sciences* 118(6): e2018264118.
- 6 **Tingle, J.L.** and T. Garland, Jr. 2021. Morphological evolution in relationship to sidewinding, arboreality, and precipitation in snakes of the family Viperidae. *Biological Journal of the Linnean Society* 132(2):328-345.
- 5 **Tingle, J.L.** 2020. Facultatively sidewinding snakes and the origins of locomotor specialization. *Integrative and Comparative Biology* 60(1):202-214.
- 4 **Tingle, J.L.**, G.E.A. Gartner, B.C. Jayne, and T. Garland, Jr. 2017. Ecological and phylogenetic variability in the in the spinalis muscle of snakes. *Journal of Evolutionary Biology* 30(11):2031-2043.
- 3 **Tingle, J.L.** and T. Slimani. 2017. Snake charming in Morocco. *Journal of North African Studies* 22(4):560-577.
- 2 **Tingle, J.L.**, S.C. Cook-Patton, and A.A. Agrawal. 2016. Spillover of a biological control agent (*Chrysolina quadrigemina*) onto native St. Johnswort (*Hypericum punctatum*). *PeerJ* 4:e1886.
- 1 **Tingle, J.L.** 2012. Field observations on the behavioral ecology of the Madagascan leaf-nosed snake, *Langaha madagascariensis*. *Herpetological Conservation and Biology* 7:442-448.

#### INVITED PERSPECTIVES

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- 3 Deitloff, J.M., R.E. Espinoza, and **J.L. Tingle**. 2023. The History of SSAR's Diversity, Equity, and Inclusion Committee. *Herpetological Review* 54(1):52-57.
- 2 **Tingle, J.L.** 2020. Cultivating inclusive communities in taxon-focused societies. *Herpetological Review* 51(3):663-665.
- 1 **Tingle, J.L.** 2013. Developing an undergraduate herpetology club at Cornell University. *Herpetological Review* 44(2):185-187.

## GRANTS AND FELLOWSHIPS

**TOTAL: \$492,056**

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<b>Postdoctoral Research Fellowship in Biology, Award #2305218</b> National Science Foundation	<b>\$240,000, 2023–26</b>
<b>NSF Division of Environmental Biology Award #2016872</b> Diversity, Equity, and Inclusion in Herpetology and Ichthyology <i>* Co-wrote the proposal, but listed as Senior Personnel because NSF rules prohibit graduate students from serving as co-PIs</i>	<b>\$46,586*, 2020</b>
<b>Symposium sponsorship grants for the Joint Meeting of Ichthyologists and Herpetologists (JMIH)</b> Society for the Study of Reptiles and Amphibians, \$2,000 Herpetologists League, \$2,000 American Society of Ichthyologists and Herpetologists, \$1,500	<b>\$5,500, 2019</b>
<b>Dissertation Year Fellowship</b> University of California, Riverside	<b>\$7,200, 2019</b>
<b>Spieth Memorial Graduate Award in Biology</b> UCR Department of Evolution, Ecology, and Organismal Biology	<b>\$1,000, 2019</b>
<b>Graduate Dean's Dissertation Research Grant</b> UC Riverside Graduate Division	<b>\$800, 2019</b>
<b>E.E. Williams Research Grant</b> Herpetologists' League	<b>\$1,000, 2018</b>
<b>Vaughan H. Shoemaker Graduate Fellowship</b> UCR Department of Evolution, Ecology, and Organismal Biology	<b>\$750, 2017</b>
<b>Fellowship for Graduate Student Travel</b> Society for Integrative and Comparative Biology	<b>\$1,400, 2017</b>
<b>Graduate Research Fellowship</b> National Science Foundation	<b>\$138,000, 2015–2020</b>
<b>Chancellor's Distinguished Fellowship</b> University of California, Riverside	<b>\$25,000, 2015–2016</b>
<b>Fulbright Scholarship (Morocco)</b> U.S. Department of State	<b>\$15,220, 2014</b>
<b>Critical Language Enhancement Award (Arabic)</b> U.S. Department of State	<b>\$7,600, 2013–2014</b>
<b>Hughes Scholars Program</b> Howard Hughes Medical Institute	<b>\$2,000, 2010</b>

## HONORS AND AWARDS

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<b>Outstanding Teaching Assistant Award</b>	2019/2020
UC Riverside Graduate Division	2017/2018
<b>James and Margaret Lesley Annual Prize, \$675</b>	1/2020
UC Riverside College of Natural and Agricultural Sciences	
<b>First place, Grad Slam Finalists at UCR Palm Desert, \$500</b>	4/2019
UC Riverside Palm Desert campus	
<b>Second runner up, Grad Slam Finals, \$1,000</b>	3/2019
UC Riverside Graduate Division	
<b>James Merrill and Adeline Wallace Annual Prize, \$2,000</b>	2/2019
UC Riverside College of Natural and Agricultural Sciences	
<b>First place, Science Slam, \$500</b>	11/2018
UC Riverside College of Natural and Agricultural Sciences	
<b>First runner up, Graduate Research Award, \$250</b>	7/2018
Herpetologists' League	
<b>First place (tie), GradFest Student Presentation Competition, \$50</b>	3/2018
UC Riverside Department of Evolution, Ecology, and Organismal Biology	
<b>First place, Student Research Presentation Competition, \$75</b>	2/2017
Southwest Herp Fest (regional conference)	

## INVITED TALKS

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<b>Society for Integrative and Comparative Biology</b>	1/2025
Symposium: <i>From evolution to innovation: Bridging biology and engineering through bioinspired design.</i>	
<b>Society for the Study of Amphibians and Reptiles</b>	6/2024
Symposium: <i>Functional morphology of amphibians and reptiles: New theory and technology in the post-Gans era.</i>	
<b>Georgia Institute of Technology</b>	3/2024
School of Biological Sciences seminar	
<b>Northern Kentucky University</b>	10/2023
Department of Biological Sciences seminar series	
<b>Case Western Reserve University</b>	9/2023
Department of Biology seminar series	

<b>Syracuse University</b> Biology Department seminar series	4/2023
<b>Loma Linda University</b> Biology seminar series	2/2022
<b>California Academy of Sciences</b> Speaker series for a special event: <i>Snake Patrick's Day</i>	3/2021
<b>Society for Integrative and Comparative Biology</b> Symposium: <i>Long limbless locomotors: the mechanics and biology of elongate, limbless vertebrate locomotion.</i>	1/2020

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#### SELECTED CONTRIBUTED CONFERENCE PRESENTATIONS

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- Oral presentation at the Society for Integrative and Comparative Biology annual meeting:** *An in vivo examination of snake muscle shortening and vertebral column curvature using X-ray video.* (January 2024; Seattle, WA)
- Poster presentation at the American Society of Biomechanics annual meeting:** *A mathematical modelling approach to the mechanics of multiarticular muscles.* (August 2023; Knoxville, TN)
- Oral presentation at the Society for Integrative and Comparative Biology annual meeting:** *Contributions of multiarticular snake muscles to movement in different planes.* (January 2023; Austin, TX)
- Oral presentation at the Joint Meeting of Ichthyologists and Herpetologists:** *Stereotype threat as a barrier to belonging, and what we can do about it.* (July 2022; Spokane, WA)
- Oral presentation at the Society for Integrative and Comparative Biology annual meeting:** *Relating morphology, kinematics, and performance in the sidewinder rattlesnake (*Crotalus cerastes*).* (January 2022; Phoenix, AZ)
- Oral presentation at the Society for Integrative and Comparative Biology annual meeting:** *Morphological evolution in relation to sidewinding, arboreality, and precipitation in snakes of the family Viperidae.* (January 2021; virtual)
- Poster presentation at the Joint Meeting of Ichthyologists and Herpetologists:** *What determines vertebral count in snakes?* (July 2019; Snowbird, UT)
- Oral presentation at the Society for Integrative and Comparative Biology annual meeting:** *Body size and shape influence kinematics of sidewinding locomotion in the rattlesnake *Crotalus cerastes** (January 2019; Tampa, FL)
- Oral presentation at the Joint Meeting of Ichthyologists and Herpetologists:** *Scaling of morphology and locomotion in the sidewinder rattlesnake, *Crotalus cerastes** (July 2018; Rochester, NY)

## TEACHING AND MENTORSHIP

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### TEACHING EXPERIENCE

<b>Instructor for BIOL 3655: Human Anatomy II</b> Brown University <ul style="list-style-type: none"> <li>• Dissection-based human anatomy course for medical students</li> <li>• Head and neck; upper and lower extremities</li> </ul>	spring 2026
<b>Instructor for BIOL 3644: Human Anatomy I</b> Brown University <ul style="list-style-type: none"> <li>• Dissection-based human anatomy course for medical students</li> <li>• Thorax, abdomen, pelvis</li> </ul>	fall 2025
<b>Seminar Guest for E&amp;EB 850: Macroevolution of Squamates</b> Yale University <ul style="list-style-type: none"> <li>• Session on locomotor diversity and evolution</li> </ul>	spring 2025
<b>Guest Lecturer for BIOL 3345: Herpetology</b> Schreiner University <ul style="list-style-type: none"> <li>• Undergraduate course</li> <li>• Guest lecture on snake biomechanics and functional morphology</li> </ul>	spring 2024
<b>Guest Lecturer for BIOL 701: Research Techniques in Integrated Bioscience</b> University of Akron <ul style="list-style-type: none"> <li>• Graduate course</li> <li>• Two lectures covering experimental design, data quality, and statistical analysis</li> </ul>	fall 2023
<b>Guest Lecturer for BIOL 797: Integrated Bioscience Colloquium</b> University of Akron <ul style="list-style-type: none"> <li>• Graduate seminar</li> <li>• Lecture: "Single-species and comparative approaches to specialized snake locomotion"</li> </ul>	spring 2022
<b>Facilitator for the GradEdge/JumpStart NSF GRFP Workshop Series</b> University of California, Riverside; Graduate Writing Center <ul style="list-style-type: none"> <li>• Non-credit eight-week fellowship writing program for incoming graduate students; two sections per week</li> </ul>	summer 2020 summer 2021
<b>TA for BIOL 005B: Introduction to Organismal Biology</b> University of California, Riverside <ul style="list-style-type: none"> <li>• Two labs per week, online due to COVID-19</li> </ul>	spring 2020
<b>TA for BIOL 161A &amp; 161B: Functional Anatomy of the Vertebrates</b> University of California, Riverside <ul style="list-style-type: none"> <li>• Four discussion sections per week</li> </ul>	winter 2020 fall 2018 fall 2017

<b>TA for BIOL 163: Evolutionary Ecology of the Terrestrial Vertebrates</b> University of California, Riverside	fall 2019
<ul style="list-style-type: none"> <li>One lab section and one field trip per week</li> </ul>	
<b>Guest Seminar Facilitator for EEOB 210: Organismal Biology</b> University of California, Riverside	spring 2018
<ul style="list-style-type: none"> <li>Graduate seminar; facilitated two separate discussions</li> </ul>	
<b>Guest Lecturer for BIOL 005B: Introduction to Organismal Biology</b> University of California, Riverside	spring 2017
<ul style="list-style-type: none"> <li>Lecture: "Muscles and Movement Part 1: Animal Locomotion"</li> </ul>	

### *TRAINING/CERTIFICATIONS*

<b>Mentor Training</b> Brown University Office of Graduate Studies	11/2025 10/2025
<ul style="list-style-type: none"> <li>Culturally Responsive Mentoring</li> <li>Aligning Expectations</li> </ul>	
<b>Including Indigenous Peoples in Research and Pedagogy</b> Society for Integrative and Comparative Biology	11/2022
<b>Certified Master Tutor, Level III</b> College Reading & Learning Association International Tutor Training Program	2020
<b>University Teaching Certificate Program</b> University of California, Riverside	1–6/2019
<b>Graduate Student Diversity Certificate Program</b> University of California, Riverside	3–6/2018
<b>BIOL 301: Teaching Biology at the College Level</b> University of California, Riverside	9–12/2017
<b>Teaching Development Day</b> University of California, Riverside	5/2017
<b>ENTOM 3350: Naturalist Outreach Practicum</b> Cornell University	1–5/2012

### *MENTORSHIP AND SUPPORT ROLES*

<b>PhD advisor</b> Brown University	
<ul style="list-style-type: none"> <li>Alyssa Stringer (2025 – present)</li> </ul>	
University of Akron	
<ul style="list-style-type: none"> <li>Kelsey Garner (2022 – present)</li> </ul>	

**PhD committee member**

Brown University

- Sam Falcone (2025 – present)
- Rachel Fleming (2025 – present)
- Emily MacParland (2025 – present)

**Undergraduate research advisor**

Brown University

- Ali Abdur-Razzak (2025 – present)
- Malia Allmon (2026 – present)
- Irish Folds (2025 – present)
- Maggie Kho (2025 – present)
- Kevin Le (2025 – present)
- George Liao (2026 – present)
- Brandon You (2025 – present)
- Madeline Griswold (REU student; 2025)

**Founder and Coordinator, SSAR Graduate Student Mentorship Program**

Society for the Study of Amphibians and Reptiles

9/2024–  
present**Panelist, Grad School 101 Workshop**

Científico Latino

**Panelist, Pre-College Scholars Program: “Inclusive Herpetology”**

Society for the Study of Amphibians and Reptiles

3/2023

**STEM Coordinator, Graduate Student Mentorship Program**

University of California, Riverside

8/2020–  
6/2021

- Designed mentorship programming to enhance first year graduate student retention and success efforts across departments
- Created a successful application for program accreditation through the College Reading & Learning Association

**Mentor, EEB Mentor Match**

Administered by Samniqueka Halsey and Terry McGlynn

2020; 2022

**Mentor to undergraduate and high school research assistants**

University of California, Riverside

1/2017–  
5/2021**Consultant, Graduate Writing Center**

University of California, Riverside

9/2019–  
9/2020**Presenter, Graduate Writing Center Workshop: “Applying for Fellowships”**

University of California, Riverside

5/2020

**Invited speaker, Physics Organization for Womxn and the Under-Represented**

UC Riverside Physics Department

3/2020



<ul style="list-style-type: none"> <li>• Talk: “Broadening participation in STEM by reducing stereotype threat”</li> </ul>	
<b>Presenter, Graduate Writing Center Workshop: “Writing Concisely”</b> University of California, Riverside	1/2020
<b>Mentor, SICB Broadening Participation Mentorship Program</b> Society for Integrative and Comparative Biology annual meeting	2020; 2021; 2023; 2026
<b>Mentor, JMIH Mentorship Program</b> Joint Meeting of Ichthyologists and Herpetologists	7/2019; 7/2022
<b>Invited speaker, Graduate Student Diversity Certificate Program</b> University of California, Riverside	5/2019
<ul style="list-style-type: none"> <li>• Talk: “Mitigating stereotype threat through growth mindsets”</li> </ul>	
<b>Presenter, Teaching Development Day</b> University of California, Riverside	5/2019
<ul style="list-style-type: none"> <li>• Talk: “Mitigating stereotype threat through growth mindsets”</li> </ul>	
<b>Panelist, STEM TA Roundtable</b> University of California, Riverside	4/2019
<b>Panelist, Grant Writing Workshop for EEOB 265: “Lunch Bunch”</b> University of California, Riverside	4/2016
<b>Science Surprises Part-Time Educator</b> Ithaca Science Center	2–6/2013
<ul style="list-style-type: none"> <li>• Provided an after-school enrichment program to K-6 children by preparing and delivering inquiry-based science activities at schools</li> </ul>	

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#### PROFESSIONAL LEADERSHIP AND SERVICE

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<b>Director of Postdoctoral Studies</b> Brown University Department of Ecology, Evolution and Organismal Biology	11/2025–present
<b>Co-Chair, Diversity, Equity, and Inclusion Committee</b> Society for the Study of Amphibians and Reptiles	6/2020–present
<ul style="list-style-type: none"> <li>• Spearheaded many of the action items listed here:  <a href="https://ssarherps.org/ssar-actions-to-promote-diversity-equity-and-inclusion/">https://ssarherps.org/ssar-actions-to-promote-diversity-equity-and-inclusion/</a> </li> </ul>	
<b>Member, Long-Range Planning Committee</b> Society for the Study of Amphibians and Reptiles	3/2019–present
<b>Member, Symposium Committee</b> American Society of Ichthyologists and Herpetologists	7/2024–6/2027

<b>Conference Conduct Officer</b> Society for the Study of Amphibians and Reptiles	7/2024
<b>Judge, Hutchison Poster Competition for Graduate Students</b> Society for the Study of Amphibians and Reptiles	7/2023
<b>SSAR Representative for the AIBS IDEA Conference</b> American Institute of Biological Sciences Society for the Study of Amphibians and Reptiles <i>Topic: Enabling Scientific Societies to Support Inclusive, Diverse, Equitable, and Accepting (IDEA) Scientific Environments</i>	10/2022 <i>three virtual sessions</i>
<b>Symposium organizer:</b> <b>“Diversity, Equity, and Inclusion in Ichthyology and Herpetology”</b> Joint Meeting of Ichthyologists and Herpetologists	7/2022 <i>postponed from 2020 due to COVID-19</i>
<b>Website Coordinator</b> Society for the Study of Amphibians and Reptiles	7/2019–10/2023
<b>Judge, Grad Slam</b> University of California, Riverside	2/2022
<b>Chair, Student Participation Committee</b> Society for the Study of Amphibians and Reptiles	7/2018–7/2021
<b>Graduate student representative, faculty hiring committee</b> University of California, Riverside	7/2017–2/2018

#### Peer reviewer

- Annals of the Brazilian Academy of Sciences
- Behavioral Ecology
- Bioinspiration & Biomimetics
- Biological Journal of the Linnean Society
- BMC Evolutionary Biology
- Communications Biology
- Ecology and Evolution
- Global Ecology and Biogeography
- Herpetological Review
- Integrative and Comparative Biology
- International Journal of Zoology
- Journal of Experimental Biology
- Journal of Herpetology
- Journal of the Royal Society Interface
- Journal of Zoology
- micropublication Biology
- Royal Society Open Science
- Scientific Reports
- Zoology

## PROFESSIONAL DEVELOPMENT

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<b>Managing Ecological Data in R: Introduction to Data Science and the Art of Wrangling for Ecologists</b> Smithsonian Mason School of Conservation <ul style="list-style-type: none"><li>• Taught by Brian Evans and Tara Snedgen</li></ul>	Mar–May 2025
<b>GIS in R: Fundamentals and applications for ecologists</b> Smithsonian Mason School of Conservation <ul style="list-style-type: none"><li>• Taught by Brian Evans and Tara Snedgen</li></ul>	Oct–Dec 2024
<b>Comparative Biology and Functional Morphology in the 21st Century</b> University of Michigan <ul style="list-style-type: none"><li>• Organized by U Michigan faculty and staff</li></ul>	June 25–27, 2024
<b>From Postdoc to Principal Investigator</b> An NSF IOS Virtual Colloquium <ul style="list-style-type: none"><li>• Organized by NSF Program Officers for selected postdocs</li></ul>	Sept 13–14, 2023
<b>Phylogenetic Comparative Methods for Biomechanists</b> University of Oklahoma Biological Station <ul style="list-style-type: none"><li>• Organized by Daniel Moen, Monique Simon, and Rafael Bovo</li></ul>	June 11–16, 2023
<b>Evolutionary Quantitative Genetics Workshop</b> Friday Harbor Labs <ul style="list-style-type: none"><li>• Organized by Stevan Arnold and Joe Felsenstein</li></ul>	June 3–9, 2018
<b>Workshop: Natural History and Morphology – Engines of Inspiration</b> Joint Meeting of Ichthyologists and Herpetologists <ul style="list-style-type: none"><li>• Organized by Stephanie Crofts and Adam Summers</li></ul>	July 15, 2017
<b>Short course: Analysis of Diversification Rates from Phylogenies</b> Oregon State University <ul style="list-style-type: none"><li>• Organized by Dan Rabosky and Brian Sidlauskas</li></ul>	June 22–23, 2017

## EDUCATIONAL OUTREACH

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<b>Biomechanics Day: Animals in Motion</b> Zoo Atlanta <ul style="list-style-type: none"><li>• Led an activity involving programmable snakelike-robots to help kids gain a hands-on experience to understand limbless locomotion</li></ul>	3/2024 3/2023
<b>Biomimicry outreach</b> Bio-Med Science Academy, Ravenna, OH <ul style="list-style-type: none"><li>• Assisted with a presentation and activity on biomimicry for 5<sup>th</sup>-graders</li></ul>	10/2023

<b>Snake Robot Outreach</b> Akron Public Schools East Community Learning Center <ul style="list-style-type: none"> <li>Helped guide 7<sup>th</sup>-graders through an activity involving programmable snakelike-robots to demonstrate principles of limbless locomotion</li> </ul>	2/2023
<b>Science Ambassador Program</b> University of California, Riverside <ul style="list-style-type: none"> <li>Presented research and discussed career trajectory at a meeting of UCR's undergraduate Science Ambassador Program</li> </ul>	5/2021
<b>Success in Science and Technology: Engagement with Role Models (SISTERS)</b> University of California, Riverside <ul style="list-style-type: none"> <li>Facilitated a meeting for the SISTERS program, which serves middle-school girls who will be first-gen high-school or college graduates</li> </ul>	4/2021
<b>STEAM Storytime at the Riverside Public Library</b> <ul style="list-style-type: none"> <li>Taught pre-K through elementary school students about reptiles with a story, live animals, and hands-on activities</li> </ul>	2/2020 5/2018
<b>UC Riverside science event</b> <ul style="list-style-type: none"> <li>Hosted a booth to teach ~90 second-graders about snake biology</li> </ul>	6/2019
<b>Science fair judging</b> Riverside Unified School District and St. Catherine of Alexandria, Riverside, CA <ul style="list-style-type: none"> <li>Scored posters and project reports, providing feedback regarding ways students could improve experimental design and analysis</li> </ul>	2/2019 1/2019
<b>Society for Integrative and Comparative Biology outreach event: What is a scientist?</b> Stewart Magnet Middle School, Tampa, FL <ul style="list-style-type: none"> <li>Familiarized students in two classes with general goals and specific activities of scientists, then led a miniature research project</li> </ul>	1/2019
<b>Herpetology Hotline Responder</b> <ul style="list-style-type: none"> <li>Answered 155 questions via the Society for the Study of Amphibians and Reptiles online hotline, which is accessible to the general public</li> </ul>	9/2017– 8/2019
<b>Animal adaptations presentation</b> Columbia Elementary School, Perris, CA <ul style="list-style-type: none"> <li>Taught elementary school students (eleven classes total on three visits) about animal adaptations using hand-on activities</li> </ul>	5/2018 3/2017 12/2016
<b>Reptiles outreach at after-school science club</b> REACH Leadership Academy, Riverside, CA <ul style="list-style-type: none"> <li>Used live animals to instill knowledge of and appreciation for reptiles in elementary school students</li> </ul>	3/2018 11/2016

<b>Science Olympiad mentorship</b>	12/2017– 2/2018
On-campus at the University of California, Riverside	
<ul style="list-style-type: none"> <li>• Led workshops to prepare high school students for the Science Olympiad competition</li> </ul>	
<b>Upward Bound Math and Science Program</b>	4/2017
Vista del Lago High School, Moreno Valley, CA	
<ul style="list-style-type: none"> <li>• Discussed academic opportunities and science careers with low-income high school students</li> </ul>	
<b>UC Riverside Science Day</b>	2/2017
<ul style="list-style-type: none"> <li>• Led activities for ~200 fourth-grade students to learn about animal diversity and adaptation</li> </ul>	
<b>Video: “Reptiles: Diversity, Feeding, Defense”</b>	2012
<ul style="list-style-type: none"> <li>• Developed and presented educational video with a fellow student as part of the Cornell University Naturalist Outreach Program</li> <li>• <a href="http://www.cornell.edu/video/naturalist-outreach-reptiles---diversity-feeding--defense">http://www.cornell.edu/video/naturalist-outreach-reptiles---diversity-feeding--defense</a></li> </ul>	
<b>Educational pamphlet: “Basic Biology of Reptiles &amp; Amphibians”</b>	2012
<ul style="list-style-type: none"> <li>• Developed educational pamphlet with a fellow student as part of the Cornell University Naturalist Outreach Program</li> <li>• <a href="http://calscomm.cals.cornell.edu/naturalist/Naturalist-Outreach-Reptile-diversity-feeding-defense.pdf">http://calscomm.cals.cornell.edu/naturalist/Naturalist-Outreach-Reptile-diversity-feeding-defense.pdf</a></li> </ul>	
<b>Cornell Herpetological Society</b>	3/2009– 5/2012
<ul style="list-style-type: none"> <li>• Conducted dozens of educational outreach events for undergraduates, elementary school students, and community members in and around Ithaca, NY</li> </ul>	

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### PROFESSIONAL SOCIETY MEMBERSHIP

Society for Integrative and Comparative Biology (SICB)  
 American Society of Biomechanics (ASB)  
 American Association for Anatomy (AAA)  
 Society for the Study of Amphibians and Reptiles (SSAR)  
 American Society for Ichthyologists and Herpetologists (ASIH)  
 Society for the Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)  
 Society for the Study of Evolution (SSE)