

**ALISON R. DAVIS RABOSKY**

Ecology and Evolutionary Biology and Museum of Zoology  
University of Michigan

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APPOINTMENTS	<p>ASSISTANT PROFESSOR AND ASSISTANT CURATOR Department of Ecology and Evolutionary Biology Museum of Zoology (UMMZ) University of Michigan</p> <p>ASSISTANT RESEARCH SCIENTIST Department of Ecology and Evolutionary Biology Museum of Zoology (UMMZ) University of Michigan</p> <p>POSTDOCTORAL RESEARCH ASSOCIATE University of California, Berkeley NSF Postdoctoral Fellow in Biology (Bioinformatics) Advisor: Jim McGuire</p>	<p>2016-present</p> <p>2012-2016</p> <p>2009-2011</p>
EDUCATION	<p>UNIVERSITY OF CALIFORNIA, SANTA CRUZ Ph.D., Ecology and Evolutionary Biology Advisor: Barry Sinervo</p> <p>POMONA COLLEGE (CLAREMONT, CA) B.A., Biology Advisor: Steve Adolph (Harvey Mudd College)</p>	<p>2002-2009</p> <p>1998-2002</p>
PUBLICATIONS	<p>†UM graduate student; *UM undergraduate student; ∞UM postdoc</p> <p>34. Cox CL, AK Chung, C Blackwell, MM Davis, M Gulsby, H Islam, N Miller, C Lambert, O Lewis, M Walsh, AD Yamamoto, <b>AR Davis Rabosky</b>. Tactile stimuli induce deimatic anti-predator displays in ringneck snakes. In press, <i>Ethology</i>.</p> <p>32. Callahan S*, JM Crowe-Riddell∞, RS Nagesan, JA Gray, <b>AR Davis Rabosky</b>. A guide for optimal iodine staining and high-throughput diceCT scanning in snakes. In press, <i>Ecology and Evolution</i>.</p> <p>33. Curlis JD†, <b>AR Davis Rabosky</b>, IA Holmest†, TJ Renney*, CL Cox. 2021. Correlational selection and genetic mechanisms interact to structure trait correlations in snake mimicry. <i>Proceedings of the Royal Society B</i>. DOI: <a href="https://doi.org/10.1098/rspb.2021.0003">10.1098/rspb.2021.0003</a></p> <p>31. <b>Davis Rabosky AR</b>, TY Moore∞, CM Sánchez-Paredes, EP Westeen*, JG Larson†, BA Sealey†, BA Balinski*. 2021. Convergence and divergence in snake anti-predator displays: A novel approach to quantitative behavioural comparison in snakes. <i>Biological Journal of the Linnean Society</i>. DOI: <a href="https://doi.org/10.1093/biolinnea/blaa222">10.1093/biolinnea/blaa222</a></p> <p>30. Westeen EP*, AM Durso, MC Grundler†, DL Rabosky, <b>AR Davis Rabosky</b>. 2020. What makes a fang? Phylogenetic and ecological controls on tooth evolution in rear-fanged snakes. <i>BMC Evolutionary Biology</i> 20(80): 1-15.</p>	

## PUBLICATIONS

29. Moore TY<sup>∞</sup>, SM Danforth<sup>†</sup>, JG Larson<sup>†</sup>, **AR Davis Rabosky**. 2020. A quantitative analysis of *Micrurus* coral snakes reveals unexpected variation in stereotyped anti-predator displays within a mimicry system. *Integrative Organismal Biology* 2(1): 1-15.
28. Danforth SM<sup>†</sup>, M Kohler<sup>\*</sup>, D Brudert, **AR Davis Rabosky**, R Vasudevan, TY Moore<sup>∞</sup>. 2020. Emulating duration and curvature of coral snake anti-predator thrashing behaviors using a soft robotic platform. *IEEE International Conference on Robotics and Automation* 2020: 5068-5074. doi: 10.1109/ICRA40945.2020.9197549
27. Rabosky DL, R von May<sup>∞</sup>, MC Grundler<sup>†</sup>, **AR Davis Rabosky**. 2019. The Western Amazonian Richness Gradient for squamate reptiles: Are there really fewer snakes and lizards in southwestern Amazonian lowlands? *Diversity* 11(10), 199: 1-18.
26. Russell ID<sup>†</sup>, JG Larson<sup>†</sup>, R von May<sup>∞</sup>, IA Holmest<sup>†</sup>, TY James, **AR Davis Rabosky**. 2019. Widespread fungal infection across frogs in the Peruvian Amazon suggests critical role for low elevation in pathogen spread and persistence. *PLoS ONE* 14(10): e0222718.
25. Holmes IA<sup>†</sup>, IV Monagan<sup>†</sup>, DL Rabosky, **AR Davis Rabosky**. 2019. Metabolically similar cohorts of bacteria exhibit strong co-occurrence patterns with diet items and eukaryotic microbes in lizard guts. *Ecology & Evolution* 00: 1–11.
24. Myers EA, AT Xue, M Gehara, CL Cox, **AR Davis Rabosky**, J Lemos-Espinal, JE Martínez-Gómez, and FT Burbrink. 2019. Environmental heterogeneity and not biogeographic barriers generate community-wide population structure in desert-adapted snakes. *Molecular Ecology* 28(20): 4535-4548.
23. von May R<sup>∞</sup>, E Biggi, H Cárdenas, MI Díaz, C Alarcón, V Herrera, R Santa-Cruz, F Tomasinelli, E Westeen<sup>\*</sup>, CM Sánchez-Paredes, JG Larson<sup>†</sup>, P Tittle<sup>†</sup>, MR Grundler<sup>\*</sup>, MC Grundler<sup>†</sup>, **AR Davis Rabosky**, DL Rabosky. 2019. Ecological interactions between arthropods and small vertebrates in a lowland Amazon rainforest. *Amphibian and Reptile Conservation* 13(1): 65–77 (e169).
- Press coverage by:** Michigan News ([link](#)) - most-viewed UM press release ever (2.6 million views); also: [National Geographic](#), [CBS News](#), [Washington Post](#), [CNN](#)
22. Holmes IA<sup>†</sup> and **AR Davis Rabosky**. 2018. Natural history by-catch: a pipeline for identifying metagenomic sequences in RADseq data. *PEERJ* 6:e4662.
21. Cox CL, **AR Davis Rabosky**, IA Holmest<sup>†</sup>, J Reyes-Velasco, CE Roelke, EN Smith, O Flores-Villela, JA McGuire, JA Campbell. 2018. Synopsis and taxonomic revision of three genera in the snake tribe Sonorini. *Journal of Natural History* 52(13–16): 945–988.
20. Holmes IA<sup>†</sup>, MR Grundler<sup>\*</sup>, **AR Davis Rabosky**. 2017. Predator perspective drives geographic variation in frequency-dependent polymorphism. *The American Naturalist* 190(4): E78-E93.
19. Monagan It, J Morrist, **AR Davis Rabosky**, I Perfecto, J Vandermeer. 2017. *Anolis* lizards as biocontrol agents in mainland and island agroecosystems. *Ecology and Evolution* 2017: 1-11.
18. **Davis Rabosky AR**, CL Cox, DL Rabosky, PO Tittle<sup>†</sup>, IA Holmest<sup>†</sup>, A Feldman, JA McGuire. 2016. Coral snakes predict the evolution of mimicry across New World snakes. *Nature Communications* 7, 11484: 1-9.
- Featured:** News & Views: “To mimicry and back again” *Nature* 534: 184:185.
- Press coverage by:** Global Michigan - multimedia feature ([link](#))
17. **Davis Rabosky AR**, CL Cox, DL Rabosky. 2016. Mendelian inheritance of red and black pigmentation in snakes: implications for Batesian mimicry. *Evolution*, 70(4): 944–953.

## PUBLICATIONS

16. Holmes IA<sup>†</sup>, WJ Mautz, **AR Davis Rabosky**. 2016. Historical environment is reflected in modern population genetics and biogeography of an island endemic lizard (*Xantusia riversiana reticulata*). *PLoS ONE* 11(11): e0163738.
15. Busso JP<sup>†</sup> and **AR Davis Rabosky**. 2016. Disruptive selection on male reproductive polymorphism in a jumping spider, *Maevia inclemens*. *Animal Behaviour* 120: 1-10.
14. Reses HE\*, **AR Davis Rabosky**, RC Wood. 2015. Nesting success and barrier breaching: Assessing the effectiveness of roadway fencing in Diamondback Terrapins (*Malaclemys terrapin*). *Herpetological Conservation and Biology* 10(1):161-179.
13. Cox CL and **AR Davis Rabosky (co-first authors)**. 2013. Spatial and temporal drivers of phenotypic diversity in polymorphic snakes. *The American Naturalist* 182(2): E40-E57.  
**Featured:** *Evolutionary Analysis* (textbook) by Herron and Freeman, 4<sup>th</sup> Edition, pg. 148
12. Cox CL, **AR Davis Rabosky**, P Chippendale. 2013. Sequence variation in the *Mc1R* gene for a group of polymorphic snakes. *Gene* 513(2): 282-286.
11. Castoe TA, EL Braun, AM Bronikowski, JM Castoe, CL Cox, **AR Davis Rabosky**, APJ de Koning, J Dobry, MK Fujita, M Giorgianni, A Hargreaves, C Henkel, SP Mackessy, D O'Meally, DR Rokyta, SM Secor, JW Streicher, KP Wray, KD Yokoyama, and DD Pollock. 2012. Report from the first Snake Genomics and Integrative Biology meeting. *Standards in Genomic Science* 7:1.
10. **Davis Rabosky AR**, A Corl, HEM Liwanag, Y Surget-Groba, B Sinervo. 2012. Direct fitness correlates and thermal consequences of facultative aggregation in a desert lizard. *PLoS ONE* 7(7): e40866.  
**Featured:** *Comparative Social Evolution* (book, Cambridge University Press)
9. Cox CL, **AR Davis Rabosky**, J Reyes-Velasco, P Ponce-Campos, EN Smith, O Flores-Villela, and JA Campbell. 2012. Molecular systematics of the genus *Sonora* (Squamata: Colubridae) in central and western Mexico. *Systematics and Biodiversity* 10(1): 93-108.
8. **Davis AR**. 2012. Kin presence drives philopatry and social aggregation in juvenile night lizards (*Xantusia vigilis*). *Behavioral Ecology* 23(1): 18-24.  
**Featured:** *Vertebrate Life* (textbook) by Pough, Janis, and Heiser, 9<sup>th</sup> Edition, pg. 335
7. **Davis AR**, A Corl, Y Surget-Groba, and B Sinervo. 2011. Convergent evolution of kin-based sociality in a lizard. *Proceedings of the Royal Society of London-B* 278: 1507-1514.  
**Press coverage by:** NBC News [\[link\]](#), Discovery News [\[link\]](#), UCSC Science Communication Program [\[link\]](#)
6. Corl A, **AR Davis**, SR Kuchta, LT Lancaster, and B Sinervo. 2010. Selective loss of polymorphic mating types is associated with rapid phenotypic evolution during morphic speciation. *Proceedings of the National Academy of Sciences* 107(9): 4254-4259.
5. Corl A, **AR Davis**, SR Kuchta, T Comendant, and B Sinervo. 2010. Alternative mating strategies and the evolution of sexual size dimorphism in the Side-Blotched lizard, *Uta stansburiana*: A population-level comparative analysis. *Evolution* 64(1): 79-96.
4. Sinervo B, B Heulin, Y Surget-Groba, J Clobert, DB Miles, A Corl, A Chaine, and **A Davis**. 2007. Models of density-dependent genic selection and a new rock-paper-scissors social system. *The American Naturalist* 170(5): 663-680.

## PUBLICATIONS

3. **Davis AR** and DH Leavitt. 2007. Candlelight *vigilis*: A noninvasive method for sexing small, sexually monomorphic lizards. *Herpetological Review* 38(4): 402-404.

2. Parris MJ, **A Davis**, and JP Collins. 2004. Single-host pathogen effects on mortality and behavioral responses to predators in salamanders (Urodela: Ambystomatidae). *Canadian Journal of Zoology* 82: 1477-1483.

## BOOK CHAPTERS (PEER-REVIEWED)

1. Cox CL, **AR Davis Rabosky**, DR Frost. 2020. *Sonora semiannulata*. in Snakes of Arizona, ed. AT Holycross and JC Mitchell. Pgs 294-302.

Invited chapter in prep, Publisher deadline of December 2021:

Cox CL and **AR Davis Rabosky (equal authorship)**. Integrative Biology of Snake Coloration. In *Snakes: Morphology, Function, and Ecology*, ed. DA Penning.

## BOOK REVIEWS AND NATURAL HISTORY NOTES

**Davis Rabosky AR**. 2019. The Book of Snakes: A life-size guide to six hundred species from around the world (Mark O'Shea). *Herpetological Review* 50(2), 415–416.

Jantzi A, CL Cox, **AR Davis Rabosky**, AT Holycross. *SONORA SEMIANNULATA* (Western Groundsnake). COMBAT. In press, *Herpetological Review*.

JD Curlist<sup>†</sup>, P Cerda<sup>†</sup>, **AR Davis Rabosky**, M Grundler<sup>\*</sup>, I Holmes<sup>†</sup>, B Sealey<sup>†</sup>, C Whitcher<sup>\*</sup>, M Grundler<sup>†</sup>, E Westeen<sup>\*</sup>. 2020. Geographic distribution note: *Bromelohyla bromeliacia* (Bromeliad Treefrog). *Herpetological Review*, 51(4): 768.

JD Curlist<sup>†</sup>, P Cerda<sup>†</sup>, **AR Davis Rabosky**, M Grundler<sup>\*</sup>, I Holmes<sup>†</sup>, B Sealey<sup>†</sup>, C Whitcher<sup>\*</sup>, M Grundler<sup>†</sup>, E Westeen<sup>\*</sup>. 2020. Geographic distribution note: *Rhadinea kinkelini* (Kinkelin's Graceful Brownsnake). *Herpetological Review*, 51(4): 783.

JD Curlist<sup>†</sup>, P Cerda<sup>†</sup>, **AR Davis Rabosky**, M Grundler<sup>\*</sup>, I Holmes<sup>†</sup>, B Sealey<sup>†</sup>, C Whitcher<sup>\*</sup>, M Grundler<sup>†</sup>, E Westeen<sup>\*</sup>. Geographic distribution note: *Sibon dimidiatus* (Slender Snail Sucker). *Herpetological Review*, 51(4): 783.

## GRANTS/AWARDS

2017-2021: NSF Digitization TCN: Collaborative Research: oVert: Open Exploration of Vertebrate Diversity in 3D (Senior Personnel), DBI-1701713

2019-2020: MCubed 3.0: Optimizing the design of soft robots to be reliably deployable in the field

2020: UM Elizabeth Caroline Crosby Award

2019: UM Program in Biology Teaching Excellence Award

2016-2017: MCubed 2.0: Bio-mimetic snake robots model the evolution of aposematism

2013-2018: Research grant sub-award, Bureau of Land Management

2009-2011: NSF Postdoctoral Research in Biology (Bioinformatics), DBI-0906046

2007: Systematics Research Fund Award Winner, The Linnean Society

2007-2009: Graduate Assistance in Areas of National Need (GAANN) recipient

2006: Science, Technology, Engineering, Policy, and Society (STEPS) Institute Environmental Research Grant Winner

2004, 2005: Science Buddies "Outstanding Service Award" recipient

2002, 2003: NSF Graduate Research Fellowship Honorable Mention

2003: American Society of Ichthyologists and Herpetologists Gaige Fund Award

2003: American Museum of Natural History Theodore Roosevelt Memorial Fund

## CONFERENCES

- JMIH, Snowbird, UT, July 24-28, 2019; Talk title: Building a Tangled Bank: Mimics, Models, and Michigan (**Invited Symposium talk**, *Professional Women in Herpetology: Lessons and Insights*)
- JMIH, Rochester, NY, July 12-15, 2018; Talk title: Convergence or Divergence? 3-D Quantification and Characterization of Snake Anti-predator Behavior in the Peruvian Amazon
- JMIH, Austin, TX, July 13-16, 2017; Talk title: Color Mosaics in Frogs and Snakes: What Drives Geographic Variation in Color Polymorphism?
- JMIH, New Orleans, LA July 6-10, 2016
- Evolution, Austin, TX, June 17-21, 2016
- SSAR, Lawrence, KS, July 31-August 3, 2015; Talk title: The evolution of coral snake mimicry across the New World
- Evolution, Raleigh, NC, June 20-24, 2014
- Snake Genomics & Integrative Biology, Vail, CO, October 5-9, 2011; Talk title: The genomic window into the evolution of snake mimicry systems
- Evolution, Norman, OK, June 17-21, 2011; Talk title: Color polymorphism and the evolution of snake mimicry systems
- Evolution, Portland, OR, June 25-29, 2010; Talk title: Group dynamics and direct fitness benefits of kin sociality in an aggregating lizard
- Physiological Ecology, Bishop, CA, June 6-8, 2008; Talk title: Thermal effects of winter aggregation in the Desert Night Lizard (*Xantusia vigilis*)
- NERE WEB2, Irvine, CA, May 25, 2008; A test of kin selection: Kin effects on dispersal and sociality in Desert Night Lizards (*Xantusia vigilis*)

## INVITED SEMINARS

- 03/16/2021: Michigan State University: The origin and evolution of phenotypic convergence: Insights from mimicry
- 01/21/2020: Smithsonian Tropical Research Institute (Behavior Group): The evolution of anti-predator traits in Neotropical snake mimicry
- 10/01/2019: Brown University (Graduate Student Invited Speaker): The origin and evolution of phenotypic convergence: Insights from mimicry
- 10/19/2018: University of California, Davis (Behavior Group - ABBG): The origin and evolution of sociality in lizards: kin, fitness, and parasites
- 10/18/2018: University of California, Davis (departmental seminar): Trait evolution in mimicry systems: A big data approach to the study of convergence in snakes
- 5/4/2018: University of California, Merced (Graduate Student Invited Speaker, Quantitative and Systems Biology): Trait evolution in mimicry systems: A big data approach to the study of convergence in snakes
- 11/1/2017: University of Michigan MCubed Symposium Featured Speaker: What robots can teach us about snakes: Communicating with color and motion
- 4/7/2017: University of Florida: The origin and evolution of phenotypic convergence: Insights from mimicry
- 11/2/2016: University of Pittsburgh: The origin and evolution of phenotypic convergence: Insights from mimicry
- 10/2/2013: Eastern Michigan: Color polymorphism and the evolution of snake mimicry
- 3/15/2012: University of California, Riverside: Trait evolution from multiple perspectives: Lizard social evolution and snake mimicry systems
- 11/7/2011: Color polymorphism and the evolution of snake mimicry systems, University of California, Berkeley
- 3/8/2010: The role of color polymorphism in the evolutionary dynamics of mimetic snakes (*Sonora sp.*), University of California, Berkeley
- 10/16/2009: Lizard sociality: Kin dynamics, fitness benefits, and thermal consequences of aggregation, University of Texas, Arlington
- 9/30/2009: Lizard sociality: Kin dynamics, fitness benefits, and thermal consequences of aggregation, University of California, Berkeley

SOCIETIES	Society for the Study of Evolution, American Society of Naturalists, American Society of Ichthyologists and Herpetologists, Society for the Study of Amphibians and Reptiles
TEACHING	<p>2016 - present: Assistant Professor, University of Michigan</p> <ul style="list-style-type: none"> <li>• Evolution (EEB 390); Winter 2018, Fall 2019</li> <li>• Biology of Amphibians and Reptiles (EEB 450); Winter 2019, Winter 2021</li> <li>• Seminar: Quantitative Data Visualization (EEB 800); Fall 2017</li> <li>• Biodiversity Research Seminar (EEB 335); Fall 2016</li> </ul>
TEACHING	<p>2012: Lecturer, University of California, Berkeley</p> <ul style="list-style-type: none"> <li>• Spring 2012: Natural History of Vertebrates (IB104)</li> </ul> <p>2002 - 2009: Teaching Assistant, University of California, Santa Cruz</p> <ul style="list-style-type: none"> <li>• Fall 2002: Introduction to Psychobiology (Bio 70)</li> <li>• Winter 2003, Spring 2005: Introduction to Cell and Molecular Biology (Bio 20A)</li> <li>• Spring 2003, Spring 2006, Fall 2008, Winter 2009: Plant and Animal Development and Physiology (Bio 20B)</li> <li>• Fall 2003: Behavioral Ecology (Bio 140)</li> <li>• Winter 2004: Herpetology (Bio 143)</li> <li>• Spring 2004: Female Physiology (Bio 80A)</li> <li>• Fall 2004, 2005, 2006: Molecular Methods in Organismal Biology (Bio 187L)</li> </ul> <p>2002: Teaching Assistant, Pomona College</p> <ul style="list-style-type: none"> <li>• Introductory Genetics (Bio 40)</li> </ul> <p><i>Total: 13 courses, 20 academic terms</i></p>
MENTORING	<p><b>Postdoctoral Researchers (2):</b></p> <p>Jenna Crowe-Riddell, 2019-present: Trait evolution in snake mimicry systems  Talia Y. Moore, 2016-2019: Biomechanics of anti-predator displays in snakes</p> <p><b>Ph.D. Students (6):</b></p> <p>Natasha Stepanova, 2020-present: TBD  Taylor West, 2019-present: TBD  Hayley Crowell, 2019-present: Ecological and physiological tradeoffs in the evolution of snake coloration  John David Curlis, 2018-present: Color evolution across squamate signaling systems  Peter Cerda, 2016-present: Toxin evolution across Western Hemisphere snakes  Iris Holmes, 2014-2020: Drivers of genetic and phenotypic population structure across space and time</p> <p><b>Masters Students (6):</b></p> <p>Brianna Mims, 2019-2021: Ecological drivers of convergent brain evolution in snakes  Brianna Sealey, 2017-2019: Predator cues and ontogeny drive variation in anti-predator displays in South American Calico snakes (<i>Oxyrhopus</i>)  Imani Russell, 2016-2018: Chytridiomycosis dynamics across ecosystems in tropical frog communities (co-advised with Tim James)  Adolfo Gomez Delgado, 2015-2017: coursework Masters (co-advised with Tim James)  Ivan Monagan, 2014-2016: <i>Anolis</i> lizards as biocontrol agents in tropical coffee agriculture (co-advised with John Vandermeer)  Juan Pablo Busso, 2012-2013: Female preference in the polymorphic spider <i>Maevia inclemens</i> and its influence on alternative reproductive tactics</p> <p><b>Undergraduate/Postgraduate Students Directly Advised (8):</b></p> <p>Daniel Nondorf, 2018-2019: Parasite transmission across lizard social strategies  Erin Westeen, 2016-2018: Opisthoglyphous evolution in New World snakes</p>

Maggie Grundler, 2012-2015: Population genetics of negative frequency-dependent polymorphism  
 Hannah Reses, 2012-2014: Assessing the effectiveness of roadside dispersal barriers for diamondback terrapins (*Malaclemys terrapin*)  
 Amy Patten, 2009-2011: Climate change effects on lizard thermal biology  
 Reed Newman, 2007-2008: Thermal consequences of sociality in *Xantusia vigilis*  
 Rob Davies, 2006-2007: Genetic analysis of breeding dynamics in *Xantusia vigilis*  
 Ayush Jha, 2006-2007: Gene flow across habitats after the removal of introduced livestock in an island endemic lizard (*Xantusia riversiana*).

## SERVICE

2021-present: Associate Editor, *Journal of Animal Ecology*  
 2019-2024: Chair of the SSAR 2024 Conference Local Planning Committee  
 2016-2020: Board of Governors member, American Society of Ichthyologists and Herpetologists (ASIH)  
 2019: UM Museum of Natural History Science Communication Fellows Program  
 2019: FEMMES Spring Capstone speaker  
 2016-2019: UM Museum of Natural History Faculty Advisory Committee  
 2018: Panel member, Genetics and Genomics Campus Connection for the Summer Bridge Program  
 2016-2017: Member of the 2017 iDigBio Conference Planning Committee; Co-led workshop on "Automated species range map construction through aggregated global museum records"  
 2012-present: UM Museum of Zoology ID Day and Behind the Scenes Day  
 2015: External Ph.D. thesis examiner, Macquarie University (Australia)  
 2010-2013: Assistant Editor, *Amphibian and Reptile Conservation*  
 2013: Women in Science and Engineering (WiSE) Invited Speaker, University of Michigan  
 2011: Women in Science and Engineering (WiSE) Panel Member, UC Berkeley.  
 2011: Initiative for Maximizing Student Development (IMSD) Panel Member, UC Berkeley  
 2006-2009: Co-director of educational demonstrations exposing middle school students from underrepresented minority groups to current research in Ecology and Evolutionary Biology with the Mathematics, Engineering & Science Achievement (MESA) Program  
 2006-2007: Graduate representative to the Ecology & Evolutionary Biology Department faculty, UCSC (attended faculty meetings)  
 2006-2007: Graduate student member, search committee for a new faculty hire in Vertebrate Physiology, UCSC  
 2006: Graduate Committee for Diversity Enhancement (GCDE) member, UCSC.  
 2003 - 2006: Mentor in the Science Buddies program, an online interactive program for mentoring San Francisco Bay Area middle and high school students competing in science fairs  
 1996-1998: Volunteer instructor, Hands on Science classes for 3rd-5th graders, Albuquerque Public Schools, New Mexico.

Reviewer for *Evolution*, *The American Naturalist*, *Systematic Biology*, *Molecular Ecology*, *PLoS One*, *Biological Journal of the Linnean Society*, *Nature Ecology & Evolution*, *Functional Ecology*, *Journal of Evolutionary Biology*, *Ecology and Evolution*, *Conservation Genetics*, *Journal of Zoology*, *Behaviour*, *Animal Behaviour*, *Journal of Herpetology*, *Herpetological Review*, *Herpetological Conservation and Biology*, *Journal of South American Herpetology*, *Austral Ecology*, the U.S. Fish and Wildlife Service, Cambridge University Press, the UK Biotechnology and Biological Sciences Research Council (BBSRC), and the National Science Foundation (NSF; *ad hoc* and panel).