

# Lauren M. Chan, Ph.D.

Department of Biological Sciences  
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## PROFESSIONAL POSITIONS

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Associate Professor, Biological Sciences, California Polytechnic University, San Luis Obispo	2023–Present
Research Associate in Herpetology, Natural History Museum of Los Angeles County	2014–Present
Associate Professor, Department of Biology, Pacific University, Oregon	2020–2023
Assistant Professor, Department of Biology, Pacific University	2015–2020
Visiting Assistant Professor, W.M. Keck Science Department, Claremont Colleges.	2014–2015
Research Associate and Principal Investigator, Department of Biology, Duke University	2012–13
Lab Manager, Yoder Lab, Department of Biology, Duke University	2008–12

## EDUCATION

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Postdoctoral Associate, Department of Biology, Duke University Supervisor: Dr. Anne D. Yoder	2008–12
Postdoctoral Associate, Department of Biology, Brigham Young University Supervisor: Dr. Leigh A. Johnson	2007–08
Ph.D., Ecology and Evolutionary Biology, Cornell University Major Advisor: Dr. Kelly R. Zamudio	2007
B.A., Integrative Biology, University of California, Berkeley Research Advisors: Drs. David B. Wake and Marvalee H. Wake	1999

## PUBLICATIONS

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\* *Mentored undergraduate* and \*\**Graduate student co-author*

- Salerno, P.E, **L.M. Chan**, G.B. Pauly, W.C. Funk, and J.M. Robertson. 2023. Near-shore island lizard fauna shaped by a combination of human-mediated and natural dispersal. *Journal of Biogeography* 50: 116-129.
- Cadle, J., **L.M. Chan**, and A. Miralles. 2022. Opluridae: Malagasy Iguanas, Androngovato. Chapter 12. Reptiles In: *The New Natural History of Madagascar*. Ed: S. Goodman.
- Fitzgerald, L.A., W.A. Ryberg, D. Walkup, T. Hibbitts, M.T. Hill, D.J. Leavitt, **L.M. Chan**, and M.R. Parker. 2022. Ecology and conservation of the imperiled Dunes Sagebrush Lizard: an ecological specialist in a threatened ecosystem. The future for reptiles: advances and challenge in the Anthropocene. Pp 163-174. In: *Imperiled: The Encyclopedia of Conservation*. Eds. D.A. Dellasala, M.I. Goldstein. Elsevier. <https://doi.org/10.1016/B978-0-12-821139-7.00214-2>
- Chan, L.M.**, C.W. Painter, M.T. Hill, T.J. Hibbitts, D.J. Leavitt, W.A. Ryberg, D. Walkup, and L.A. Fitzgerald. 2020. Phylogeographic structure of the dunes sagebrush lizard, an endemic habitat specialist. *PLOS ONE* 15(9): e0238194.
- Chan, L.M.**, \*W. Eng, \*B. Hergert, \*A. Osbrink, and C.N. Templeton. 2020. Natural History Note, *Lithobates catesbeianus*. Diet. *Herpetological Review* 51: 301.

- Odden, J.P. \*W. Eng, K. Lee, H. Donelick, M. Hiefield, J. Steach, and **L.M. Chan**. 2019. Novel host-bacterial symbioses revealed: Characterization of *Wolbachia* in arthropods of western North America. *Western North American Naturalist* 79: 534–550.
- Baranzelli, M.C., A. Cosacov, A. Espíndola, M. del Rosario Iglesias, **L.M. Chan**, L.A. Johnson, and A.N. Sérsic. 2018. Echoes of the whispering land: interacting roles of vicariance and selection in shaping the evolutionary divergence of two *Calceolaria* (Calceolariaceae) species from Patagonia and Malvinas/Falkland Islands. *Evolutionary Ecology* 32: 287–314.
- Robertson, J.M., S.W. Fitzpatrick, B.B. Rothermel, and **L.M. Chan**. 2018. Fire does not strongly affect genetic diversity or structure of a common tree frog in the endangered Florida scrub. *Journal of Heredity* 109: 243–252.
- Pabijan, M., J.L. Brown, **L.M. Chan**, H.A. Rakotondravony, A.P. Raselimanana, A.D. Yoder, F. Glaw, and M. Vences. 2015. Phylogeography of the arid-adapted Malagasy bullfrog, *Laliostoma labrosum*, influenced by past connectivity and habitat stability. *Molecular Phylogenetics and Evolution* 92: 11–24.
- Jenkins, R.K.B., M.F. Tognelli, P. Bowles, N. Cox, J.L. Brown, **L.M. Chan**, F. Andreone, A. Andriamazava, R.R. Andriantsimanarilafy, M. Anjeriniaina, P. Bora, L.D. Brady, E.F. Hantalalaina, F. Glaw, R.A. Griffiths, C. Hilton-Taylor, M. Hoffmann, V. Katariya, N.H. Rabibisoa, J. Rafanomezantsoa, D. Rakotomalala, H. Rakotondravony, N.A. Rakotondrazafy, J. Ralambonirainy, J.-B. Ramanamanjato, H. Randriamahazo, J.C. Randrianantoandro, H.H. Randrianasolo, J.E. Randrianirina, H. Randrianizahana, A.P. Raselimanana, A. Rasolohery, F.M. Ratsoavina, C.J. Raxworthy, E. Robsomanitrondrasana, F. Rollande, P.P. van Dijk, A.D. Yoder, M. Vences. 2014. Extinction risks and the conservation of Madagascar’s reptiles. *PLoS ONE* 9(8): e100173.
- \*Shi, J.J., †**L.M. Chan**, A. Peel, \*R. Lai, A.D. Yoder, and S.M. Goodman. 2014. A deep divergence time between sister species of *Eidolon* (Pteropodidae) with evidence for widespread panmixia. *Acta Chiropterologica* 16(2): 279–292. († corresponding author)
- Yoder, A.D., #**L.M. Chan**, #M. dos Reis, #P.A. Larsen, C.R. Campbell, R. Rasolarison, M. Barrett, C. Roos, P. Kappeler, J.P. Bielawski, and Z. Yang. 2014. Molecular evolutionary characterization of a V1R subfamily unique to Strepsirrhine primates. *Genome Biology and Evolution* 6(1): 213–227. (# equal contributors)
- \*Shi, J.J., †**L.M. Chan**, \*\*Z. Rakotomalala, \*\*A.M. Heilman, S.M. Goodman, and A.D. Yoder. 2013. Latitude drives diversification in Madagascar’s endemic dry forest rodent, *Eliurus myoxinus* (sub-family Nesomyinae). *Biological Journal of the Linnean Society* 110: 500–517. († corresponding author)
- Chan, L.M.**, J.W. Archie, A.D. Yoder, and L.A. Fitzgerald. 2013. Review of the systematic status of *Sceloporus arenicolus* Degenhardt and Jones, 1972 with an estimate of divergence time. *Zootaxa* 3664: 312–320.
- Chan, L.M.**, \*D. Choi, H.A. Rakotondravony, A. Raselimanana, and A.D. Yoder. 2012. Defining spatial and temporal patterns of phylogeographic structure in Madagascar’s iguanid lizards (genus *Oplurus*). *Molecular Ecology* 21: 3839–3851.
- Johnson, L.A., **L.M. Chan**, R. Pozner, and \*L.D. Glazier. 2012. Allotetraploids in Patagonia with affinities to the Western North American flora: did dispersal or genome doubling occur first. *Botanical Review* 78: 288–306.

- Johnson, L.A., **L.M. Chan**, \*K. Burr, and D. Hendrickson. 2012. *Navarretia furnissii* (Polemoniaceae), a new diploid species from the intermountain western United States distinguished from tetraploid *Navarretia saximontana*. *Phytotaxa* 42: 51–61.
- Weisrock, D.W., S.D. Smith, **L.M. Chan**, K. Biebow, P.M. Kappeler, and A.D. Yoder. 2012. Concatenation and concordance in the reconstruction of mouse lemur phylogeny: an empirical demonstration of the effect of allele sampling in phylogenetics. *Molecular Biology and Evolution* 29: 1615–1630.
- Chan, L.M.**, J.L. Brown, and A.D. Yoder. 2011. Integrating statistical genetic and geospatial methods brings new power to phylogeography. *Molecular Phylogenetics and Evolution* 59: 523–537.
- Chan, L.M.**, S.M. Goodman, \*\*M.D. Nowak, D.W. Weisrock, and A.D. Yoder. 2011. Population sampling confirms low divergence among *Pteropus* (Chiroptera: Pteropodidae) bats of Madagascar and surrounding islands. *PLoS Currents: Tree of Life*. doi:10.1371/currents.RRN1226.
- Robertson, J.M. and **L.M. Chan**. 2011. Commentary: Species richness in a tropical biodiversity hotspot. *Journal of Biogeography* 38: 2043–2044.
- Vredenburg, V.T., J.R. Romansic, **L.M. Chan**, and T. Tunstall. 2010. A field test of the effects of UV-B radiation on three high elevation amphibians in California. *Copeia* 2010 (3): 502–512.
- Goodman, S.M., **L.M. Chan**, \*\*M.D. Nowak, and A.D. Yoder. 2010. Phylogeny and phylogeography of western Indian Ocean *Rousettus* (Chiroptera: Pteropodidae). *Journal of Mammalogy* 91 (3): 593–606.
- Chan, L.M.** and K.R. Zamudio. 2009. Population differentiation of temperate amphibians in unpredictable environments. *Molecular Ecology* 18: 3185–3200.
- Zamudio, K.R., J.M. Robertson, **L.M. Chan**, and I. Sazima. 2009. Population structure in an extreme narrow endemic: evidence for drift offset by asymmetrical migration in a tiny geographic range. *Biological Journal of the Linnean Society* 97: 259–274.
- Chan, L.M.**, L.A. Fitzgerald, and K.R. Zamudio. 2009. The scale of genetic differentiation in the Dunes Sagebrush-Lizard (*Sceloporus arenicolus*), an endemic habitat specialist. *Conservation Genetics* 10 (1): 131–142. [Highlighted in Marko and Hart, *TREE* 26(9): 448–456.]
- Zamudio, K.R. and **L.M. Chan**. 2008. Alternative reproductive tactics in amphibians. In R. Oliveira, M. Taborsky, and J. Brockman eds. *Alternative Reproductive Tactics: an Integrative Approach*. Pp. 300–331. Cambridge University Press, Cambridge, UK..
- Johnson, L.A., **L.M. Chan**, T.L. Weese, \*L.D. Busby, and S. McMurry. 2008. Nuclear and cpDNA sequences combined provide strong inference of higher phylogenetic relationships in the phlox family (Polemoniaceae). *Molecular Phylogenetics and Evolution* 48: 997–1012.
- Chan, L.M.** 2007. Characterization of microsatellite markers for Couch's Spadefoot toad (*Scaphiopus couchii*) and cross-amplification in other species of the Family Scaphiopodidae. *Molecular Ecology Notes* 7: 318–320.
- Chan, L.M.** 2007. Twelve novel microsatellite markers for the Great Plains toad, *Bufo cognatus*. *Molecular Ecology Notes* 7: 278–280.
- Chan, L.M.**, L.A. Fitzgerald, and K.R. Zamudio. 2007. Characterization of microsatellite markers for the endemic sand dune lizard, *Sceloporus arenicolus*. *Molecular Ecology Notes* 7: 337–339.
- Chan, L.M.** 2003. Seasonality, microhabitat, and cryptic variation in tropical salamander reproductive cycles. *Biological Journal of the Linnean Society* 78 (4): 489–496.

- Chan, L.M.**, K.R. Zamudio, and D.B. Wake. 2001. Relationships of the salamandrid genera *Paramesotriton*, *Pachytriton*, and *Cynops* based on mitochondrial DNA sequences. *Copeia* 2001 (4): 997–1009.
- Chan, L.M.** 2001. Natural History Note: *Pseudoeurycea goebeli*, diet. *Herpetological Review* 32 (3): 179.
- Chan, L.M.** 2001. Natural History Note: *Bufo canorus*, larval cannibalism. *Herpetological Review* 32 (2): 101.
- Zamudio, K.R. and **L.M. Chan**. 2001. Book review, Herpetology. *Copeia* 2001: 294–296.

*In review:*

- Yang, C., L. Guderyahn, D. Miles, and L.M. Chan. *In review*. Discovery of introduced populations of California slender salamanders (*Batrachoseps attenuatus*) in the Portland Metropolitan Area. Submitted to *Northwestern Naturalist*.

## SELECT INVITED PRESENTATIONS

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- 2022 Joint Meeting of Ichthyologists and Herpetologists, Spokane, Washington  
 2022 Department of Biology, California Polytechnic State University, San Luis Obispo, California  
 2019 International Urban Wildlife Conference, Portland, Oregon  
 2016 Department of Integrative Biology, Oregon State University  
 2014 Rancho Santa Ana Botanic Garden, Claremont, California  
 2014 Department of Biology, Pacific University, Oregon  
 2014 Department of Biology, California State University, Channel Islands  
 2014 Department of Biology, Siena College  
 2014 Department of Biology, California State University, Northridge  
 2014 Department of Biological Sciences, California State University, Fullerton  
 2013 Biology Department, Harvey Mudd College  
 2012 Dunes Sagebrush Working Group, Texas A&M University  
 2009 Department of Biology, University of North Carolina, Wilmington  
 2009 Natural Resources and Conservation, University of Massachusetts, Amherst  
 2007 Department of Ecology and Evolutionary Biology, Cornell University

## GRANTS

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### Major Awards

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|---|----------------|
| <b>NSF Research Opportunity Award (\$68,759)</b>  | <b>2021–23</b> |
| ROA amendment to existing NSF OPUS award (Dr. Jeanne Robertson at California State University, Northridge “Mechanisms and evolution of premating reproductive isolation along a speciation continuum.”) |                |
| <b>Principal Investigator, CCAA funded by CEHMM (\$185,050)</b>   | <b>2013–16</b> |
| Rangewide landscape genetics of the Dunes Sagebrush Lizard: testing and refining fine-scale models to understand spatial variation in diversity and connectivity.                                       |                |

**Principal Investigator, CCAA funded by CEHMM (\$171,963) 2012–14**

Landscape and conservation genetics of the Dunes Sagebrush Lizard: Identifying effects of landscape structure and fragmentation on population connectivity.

**NSF Doctoral Dissertation Improvement Grant (\$12,000) 2004–06**

Spatial analysis of effective size and genetic structure in desert breeding anurans.

**Budweiser Conservation Scholarship, National Fish & Wildlife Foundation (\$10,000) 2004**

Understanding fine-scale patterns of distribution: an integrative approach

**Other Awards**

- Faculty Development Grant (\$3000) 2021
- Pacific Research Institute for Science and Mathematics (\$2960 total) 2019, 21
- Clean Water Services (with C. Templeton, \$5000) 2019
- Oregon Wildlife Foundation Research Grant (\$10,000) 2018–19
- Meyer Grant (teaching), Pacific University (\$5000) 2018–19
- Clean Water Services (with C. Templeton, \$5000) 2018
- Primate Genomics Initiative Research Grant (\$5,000) 2010
- Conservation Genetics Data Analysis Course, Tuition, BYU 2007
- Orenstein Fund Recipient, Cornell University 2006
- Student Scholarship, Summer Institute of Statistical Genetics 2006
- Upstate Herpetological Association Grant 2004
- Edna Bailey Sussman Internship 2004
- Andrew W. Mellon Student Research Grant 2001, 03, 04
- National Science Foundation Predoctoral Fellowship 2000–04
- Cornell University Graduate Student Conference Grant 2002, 03
- Theodore Roosevelt Memorial Fund, American Museum of Natural History 2001, 03
- Liu Memorial Award 2002
- Sigma Xi Award, Cornell University Chapter 2001
- Gaige Award, American Society of Ichthyologists and Herpetologists 2001

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**TEACHING**

**Instructor**

*Department of Biology, Pacific University* 2015–present

- Advanced Research Methods, BIOL489, lecture/laboratory
- Introductory Biology: Flow of Information, BIOL201, lecture
- Introductory Biology: Flow of Energy, BIOL200L, laboratory
- Introductory Biology: Flow of Information, BIOL201L, laboratory
- Evolution and Biodiversity, BIOL315, lecture
- Molecular Genetics Laboratory, laboratory intensive
- Molecular Tools in Ecology and Evolution, lecture and laboratory.
- Natural History of Galápagos and Ecuador, BIOL 165/166 & 365/366, Preparatory and Travel course for non-majors and majors.
- Junior Seminar, BIOL385
- Vertebrate Zoology, BIOL420, lecture and laboratory
- Research, BIOL495
- Capstone, BIOL490 & BINF490

WM Keck Science Department

2014–15

Claremont McKenna, Pitzer and Scripps Colleges

- Introductory Biology, BIO44/BIO44L, lecture and laboratory
- Applied Ecology and Conservation Biology, BIO139, lecture
- Advanced Topics in Environmental Biology, BIO165, lecture

## Teaching Assistant

Woods Hole Marine Lab (2 courses)

2011

- Workshop on Molecular Evolution; Strategies and Techniques for Analyzing Microbial Population Structure

Cornell University (6 courses)

2000–06

- Herpetology; Herpetology Laboratory; Evolutionary Biology, Writing in the Majors; Evolutionary Biology; Evolutionary Biology for non-majors; Field Ecology.

St. Mary's College (co-instructor, 1 course)

2002

- Field course in Kenya and Tanzania, St. Mary's College

## MENTORED STUDENT RESEARCH

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### Recent Research Students

- Reece Rhinehart, summer 2021–2022. Biology major.
- Clare Yang, spring 2021–2022. Biology major.
- Harrison Freeman, summer 2021. Biology and Math major.
- Hayley Guay, summer 2021. Environmental Biology major.
- Caitlyn Ito, spring 2021. Biology major.
- Olivia Chau, spring 2021. Bioinformatics major.
- Ana Beccera, spring 2021. Bioinformatics major.
- Aldis Piccini, fall 2020. Biology major.
- Claire Ratcliff, spring 2020. Biology major.
- Lisa Adriani, summer 2019–2020. Biology major.
- Rachel Araiza, summer 2019–2020. Biology major.
- Rylee Trendell, summer 2019–2020. Biology major.
- Janice Parks, summer 2019. Biology major.
- Wyatt Eng, fall 2018–spring 2019. Bioinformatics major.
- Alison Kachuck, fall 2018–spring 2019. Bioinformatics major.
- Brandon Hergert, fall 2018–Spring 2019. Biology major.
- Marissa Eckman, fall 2018–Spring 2019. Biology major.

### Mentored Students since 2007

- 63 undergraduate students (Biology, Environmental Science, and Bioinformatics majors)
- 33 independent research students
- 32 summer research students
- 41 capstone / thesis students (12 independent, 23 course-based, and 6 literature-based)

- 12 pursued graduate degree (4 masters, 8 PhD)
- 5 pursued postgraduate degree in health professions (medicine, nursing, optometry)
- 2 pursued postgraduate degree in law

### Recent Student Research Presentations (original research by undergraduates)

\* indicates student author

- \*Yang, C., L. Guderyahn, and **L.M. Chan**. 2022. Suburban salamanders: the status of origin of slender salamanders west of the Cascades. Joint Meeting of Ichthyologists and Herpetologists. Poster Presentation. ***Storer Award for the Best Student Poster Presentation in Herpetology***
- \*Yang, C., L. Guderyahn, and **L.M. Chan**. 2022. Suburban salamanders: the status of origin of slender salamanders west of the Cascades. Oregon Chapter of the Wildlife Society Annual Meeting. Poster Presentation.
- \*Rhinehart, D.R., and **L.M. Chan**. 2022. Genetic connectivity of the northern red-legged frog across the greater Portland Metro Region. Oregon Chapter of the Wildlife Society Annual Meeting. Poster Presentation.
- \*Yang, C., J. Schnorr, and **L.M. Chan**. 2021. *Tetrahymena* in a local wetland: focused sampling over multiple years reveals familiar and novel ciliates. Murdock College Science Research Conference. Oral Presentation (Pacific representative).
- \*Rhinehart, D.R., and **L.M. Chan**. 2021. Landscape genomics of the northern red-legged frog: how does land use affect population connectivity? Murdock College Science Research Conference. Poster.
- \*Trendell, R, \*L. Adriani, K. Holzer, and **L.M. Chan**. 2019. Connectivity among populations of Pacific treefrogs (*Pseudacris regilla*) in the Portland Metropolitan area. Murdock College Science Research Conference. Poster.
- \*Parks, J., D. Knaus, and **L.M. Chan**. 2019. Detecting beneficial bacteria in agricultural soils with high- throughput 16S rRNA gene sequencing. Murdock College Science Research Conference. Poster.
- \*Araiza, R. C.N. Templeton, and **L.M. Chan**. 2019. Diet patterns and preferences of the American Bullfrog (*Lithobates catesbeianus*) at Fernhill Wetlands. Murdock College Science Research Conference. Poster.
- \*Trendell, R, \*M. Eckman, K. Holzer, and **L.M. Chan**. 2019. Connectivity among populations of Pacific treefrogs (*Pseudacris regilla*) in the Portland Metropolitan area. International Urban Wildlife Conference, Portland, OR. Poster.
- \*Eckman, M., L. Guderyahn, C. Corkran, and **L.M. Chan**. 2018. Using DNA to characterize suburban populations of the Oregon slender salamander, Pacific University Undergraduate Research Conference, Poster.
- \*Parker, S., \*O. Fortney, K. Weil, and **L.M. Chan**. 2018. Preliminary characterization of population connectivity in two Pacific Northwest amphibians. Joint meeting of the NW Partners in Amphibian and Reptile Conservation, the Society for Northwest Vertebrate Biologists, and the Oregon-Washington Chapters of The Wildlife Society. Poster.
- \*Parker, S., \*O. Fortney, K. Weil, and **L.M. Chan**. 2017. Development of microsatellite markers to characterize population connectivity in two Pacific Northwest amphibians. Pacific University Undergraduate Research Conference, Poster.

- \*Parker, S., \*O. Fortney, and **L.M. Chan**. 2017. Development of microsatellite markers to characterize population connectivity in two Pacific Northwest amphibians. Murdock College Science Research Conference. Poster.
- \*Endicott, N., \*G. Nguyen, and **L.M. Chan**. 2016. The role of habitat specialization in phylogeographic divergence: a comparison of three lizard species. Murdock College Science Research Conference, poster. Poster
- \*Nguyen, B., J. Robertson, C. Funk, G. Pauly, and **L.M. Chan**. 2016. Patterns of colonization for three species of reptiles on the Channel Islands. Murdock College Science Research Conference, poster. Poster.

## PEDAGOGY TRAINING

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- Transparency in Learning and Teaching, Faculty Learning Community, Pacific Univ. 2021
- Teaching Evolution Workshop, Quantitative Undergraduate Biology Education and Synthesis 2017
- Supporting Women Faculty in the STEM Fields, Faculty Enrichment Workshop, Murdock College Science Research Conference. 2016
- HHMI, Inverted Classroom Workshop, Harvey Mudd College. 2016
- Blended and Online Learning Retreat, Pacific University. 2016
- National Academies Education Fellow in the Life Sciences 2014–15
- West Coast National Academies Summer Institute on Undergraduate Education. 2014
- Trained rater, BioTAP assessment of honors theses (writing Pedagogy), Duke Univ. 2011
- Writing from the Reader's Perspective Workshop, Gopen, Duke Univ. 2011
- Writing 7101, Writing in the Majors Seminar, Knight Writing Institute Cornell University (writing pedagogy) 2006

## SERVICE & OUTREACH

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### Professional Service

- American Association of University Women, Grants Review Panel 2022–23
- Lizard Subcommittee, Standard English Names Committee, Society for the Study of Amphibians and Reptiles 2022
- Judge, Victor Hutchison Graduate Student Posters, JMIH 2022
- Species Status Assessment Reviewer, Dunes Sagebrush Lizard 2022
- Member of Regional Habitat Connectivity Working Group (Metro Portland) 2017–present
- Manuscript Reviewer for over 25 journals (2-5 manuscripts/year) 2000–present
- NSF *ad hoc* Reviewer – DEB, Evolutionary Processes 2021
- Moderator, International Urban Wildlife Conference 2019
- Counsel to Center for Biological Diversity regarding Dunes Sagebrush lizard 2018
- Judge, Murdock Conference for Undergraduate Research 2016, 17, 19
- Judge, Hamilton Symposium, Student Presentations, Evolution Meetings 2017
- Judge, Patrick Award Judge, Student Presentations, Evolution Meetings 2017
- Networking Luncheon Faculty, Evolution Meetings 2017
- Judge, Division of Phylogenetics and Comparative Biology, Wake Award, Student Presentations, Annual Meeting of Society for Integrative and Comparative Biology. 2016
- SICB “Beer and Brains” Event. Student mentorship, Annual Meeting of SICB 2016
- NSF *ad hoc* Reviewer – DEB, Phylogenetic Systematics 2014



- Steering Committee, Dunes Sagebrush Lizard Science Workshop 2012
- Madagascar Working Group included Drs. David Vieites, Miguel Vences, Jason Brown, Anne Yoder, Maciej Pabijan, and Sebastian Gehring. 2011
- Peer review of the proposal by US Fish and Wildlife to list the dunes sagebrush lizard (*Sceloporus arenicolus*) as federally endangered. 2011
- Judge, Division of Ecology and Evolution, Student Presentations Annual Meeting of Society for Integrative and Comparative Biology. 2011
- Judge, Division of Systematic and Evolutionary Biology, Student Presentations Annual Meeting of Society for Integrative and Comparative Biology. 2011
- Dunes Sagebrush Lizard Working Group 2010  
Faculty and student researchers, stakeholders, BLM, New Mexico Fish and Game, US Fish & Wildlife, and others.
- Judge, Hamilton Award for Best Student Presentation, Evolution Meeting 2010
- Judge, Division of Ecology and Evolution, Student Presentations, Annual Meeting of Society for Integrative and Comparative Biology 2010
- Panel member, Howard Hughes Research Fellows Career Panel, Duke University 2009
- Judge, Society of Systematic Biology Awards for Graduate Student Research 2007
- Judge, Andrew W. Mellon Student Research Grants, Cornell University 2006
- Judge, Kieckhefer Adirondack Fellowships, Cornell University 2006
- Scientific Advisory Committee, Southwestern Research Station, AMNH 2003

#### University, College, and Departmental Service

- University Standards and Appeals Board 2022-23
- Transparent in Learning and Teaching Faculty Learning Community (pilot) 2021-22
- IACUC, Scientific Member 2016-present
- Faculty member for the Bioinformatics Major 2016-present
- Faculty Search Committee, VAP in Biology 2021
- Faculty Governance Committee 2018-21
- HyFlex Task Force 2020
- Faculty Search Committee, Tenure/Tenure-Track in Data Science 2019-20
- Pacific Senior Preview Day, SNS Representative 2019
- Advising Workgroup (ad-hoc) 2019
- Fernhill Working Group 2017-19
- Core Task Force, SNS Representative 2016-17
- PaceSetters, SNS Panel 2017
- Faculty presenter, PRISM summer research program 2017
- PaceSetters, Biology representative 2016, 17
- *Biotopia*, Biology Department Open House 2016-18
- Proctor for Biology major field test 2016
- Voyages faculty participant. Backpacking and Canoeing Trip 2016

#### Community Service

- Outreach to the Early Learning Community 2017-present
- Partner, Future of Forest Creatures Workshop with Hyla Woods 2018
- Volunteer (w/ students) Amphibian Egg Mass Monitoring 2017-18
- Tour leader for EcoBlitz organized by Clean Water Services 2016, 17
- Long distance learning: Winston-Salem, NC high school students 2010

