

## JESSICA L. BLOIS

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### EDUCATION

2009 Ph.D., Stanford University, Biological Sciences  
2005 M.A., Humboldt State University, Biology  
2000 B.S., University of California, San Diego, Ecology, Behavior, and Evolution

### PROFESSIONAL APPOINTMENTS

2018 – Associate Professor, Department of Life and Environmental Sciences, School of Natural Sciences, University of California, Merced  
2018 – Faculty Director, Natural Reserve System, University of California, Merced  
2014 – Research Associate, University of California Museum of Paleontology  
2013 – 2018 Assistant Professor, Life and Environmental Sciences, School of Natural Sciences, University of California, Merced  
2009 – 2012 Postdoctoral Research Associate, Center for Climatic Research, UW Madison

### METRICS (as of Sept 15, 2022)

[Google Scholar](#): H-index = 28, i10 index = 36

### PUBLICATIONS

† indicates a graduate student or postdoctoral advisee, ^ indicates an undergraduate, and \* indicates authors contributed equally. Numbers correspond to BioBib permanent chronological number.

#### Peer-reviewed publications

Boria, R.A.† and **J.L. Blois**. (in press). Phylogeography within the *Peromyscus maniculatus* species group: Understanding past distribution of genetic diversity and areas of refugia in western North America. *Molecular Phylogenetics and Evolution*. <https://doi.org/10.1016/j.ympev.2023.107701>

†Fox, N.S., Southon, J.R., Howard, C.M., Takeuchi, G.T., Potze, S., Farrell, A.B., Lindsey, E.L., and **J.L. Blois**. (in press). Millennial-scale drivers of small mammal isotopic niche dynamics in southern California. *Palaeogeography, Palaeoclimatology, Palaeoecology*. <https://doi.org/10.1016/j.palaeo.2022.111378>

Balk, Meghan et al. (including **J.L. Blois**). (2022). A solution to the challenges of interdisciplinary aggregation and use of specimen-level trait data. *iScience*. <https://doi.org/10.1016/j.isci.2022.105101>

†Brock, K.M., Chelini, M.-C., Ayton, C., Madden, I.E., Ramos, C., **Blois, J.L.**, Pafilis, P., and D.L. Edwards. (accepted). Colour morph predicts social behaviour and contest outcomes in a polymorphic lizard (*Podarcis erhardii*). *Animal Behaviour*.

Nieto-Lugilde, D., **Blois, J.L.**, Bonet-Garcia, F.J., Giesecke, T., Gil-Romera, G., and A. Seddon. (2021). Time to better integrate paleo- and neocological research infrastructures to improve understanding of

- biodiversity long-term dynamics and to inform future conservation. *Environmental Research Letters* 16: 095005.
- Boria, R.A.<sup>†</sup>, Brown, S.K.<sup>†</sup>, Matocq, M.M., and **J.L. Blois**. (2021). Genome-wide genetic variation coupled with demographic and ecological niche modeling of the dusky-footed woodrat (*Neotoma fuscipes*) reveal patterns of deep divergence and widespread Holocene expansion across northern California. *J. Heredity* 126:521–536.
- Pineda-Munoz, S, Jukar, A., Tóth, A., Fraser, D., Du, A., Barr, A., Amantagelo, K., Balk, M., Behrensmeyer, A.K., **Blois, J.L.**, Davis, M., Eronen, J., Gotelli, N.J., Looy, C., Miller, J., Shupinski, A., Soul, L., Villaseñor, A., Wing, S., and S.K. Lyons. (2021). Body mass-related changes in mammal community assembly patterns during the late Quaternary of North America. *Ecography* 44(1):56-66.
- Lawing, A.M., **Blois, J.L.**, Maguire, K.C.<sup>†</sup>, Wang, Y., Goring, S. and J.L. McGuire. (2021). Occupancy models reveal regional differences in detectability and improve relative abundance estimations in fossil pollen assemblages. *Quaternary Science Reviews* 253: 106747
- Fox, N.S.<sup>†</sup>, Veneracion, J.<sup>^</sup>, and **J.L. Blois**. (2020). Are geometric morphometric analyses replicable? Evaluating landmark measurement error and its impact on extant and fossil *Microtus* classification. *Ecology and Evolution* 10: 3260-3275
- Knight, C., **Blois, J.L.**, Blonder, B., Macias-Fauria, M., Ordonez, A., Svenning, J-C. (2020). Quantifying environmental mismatch and filtering in North American pollen assemblages since the Last Glacial Maximum. *The American Naturalist* 195:166-180
- Fox, N.S.<sup>†</sup>, Takeuchi, G., Farrell, A., Southon, J., and **J.L. Blois**. (2019). A protocol for differentiating late Quaternary leporid species in southern California with remarks on Project 23 lagomorphs at Rancho La Brea. *PaleoBios* 36:1-20
- Rapacciuolo G.<sup>†</sup>, Rominger AJ, Morueta-Holme N, and **J.L. Blois**. (2019). Editorial: Ecological Non-equilibrium in the Anthropocene. *Frontiers in Ecology and Evolution*. 7
- Tóth, A.et al. (including **J.L. Blois**). (2019). Reorganization of surviving mammalian communities after the end-Pleistocene megafaunal extinction. *Science* 365: 1305-1308
- Rapacciuolo, G.<sup>†</sup> and **J.L. Blois**. (2019). Understanding community dynamics in space and time: integrating data and methods in light of theory. *Ecography*. (E4 award winner)
- Sachs, J. P., **Blois, J.L.**, McGee, T., Wolhowe, M., Haberle, S., Clark, G. and P. Atahan. (2018). Southward shift of the Pacific ITCZ during the Holocene. *Paleoceanography and Paleoclimatology* 33(12): 1383-1395.
- Boria R.A.<sup>†</sup> and **J.L. Blois**. (2018). The effect of large sample sizes on ecological niche models: analysis using a North American rodent, *Peromyscus maniculatus*. *Ecological Modelling* 386: 83-88.
- Williams, J.E.<sup>†</sup> and **J.L. Blois**. (2018). Range shifts in response to past and future climate change: Can climate velocities and species' dispersal capabilities explain variation in mammalian range shifts? *J. Biogeography* 45(9): 2175-2189
- Fitzpatrick, M.C.\* , **Blois, J.L.\***, Williams, J.W., Nieto-Lugilde, D., Maguire, K.C.<sup>†</sup>, Lorenz, D. (2018). How will climate novelty influence ecological forecasts? Using the Quaternary to assess future reliability. *Global Change Biology* 24(8): 3575-3586
- Williams JW, Grimm EC, **Blois JL**, Charles DF, Davis E, et al. (2018). The Neotoma Paleoecology Database, a multiproxy, international, community-curated data resource. *Quaternary Research* 89(1):156-177

- Nieto-Lugilde, D., Maguire, K.C.<sup>†</sup>, **Blois, J.L.**, Williams, J.W. and M.C. Fitzpatrick (2018). Multiresponse algorithms for community-level modelling: Review of theory, applications, and comparison to species distribution models. *Methods in Ecology and Evolution* 9(4): 834-848
35. Lawing, A.M.\* , Eronen, J.T.\* , **Blois, J.L.\*** , Graham, C., & P.D. Polly (2017). Community functional trait composition at the continental scale: the effects of non-ecological processes. *Ecography* 40(5): 651-663
34. Blonder, B., Moulton, D., **Blois, J.L.**, Enquist, B.J., Graae, B., Macias-Fauria, M., McGill, B.J., Nogué, S., Ordonez, A., Sandel, B., and J-C Svenning (2017). Predictability in community dynamics. *Ecology Letters* 20: 293-306
33. Barnosky, A.D., Hadly, E.A., Gonzalez, P., Head, P., Polly, P. D., Lawing, A.M., Eronen, J.T., Ackerly, D.D., Alex, K., Biber, E., **Blois, J.L.**, Brashares, J., Ceballos, G., Davis, E., Dietl, G.P., Dirzo, R., Doremus, H., Fortelius, M., Greene, H., Hellmann, J., Hickler, T., Jackson, S.T., Kemp, M., Koch, P.L., Kremen, C., Lindsey, E.L., Looy, C., Marshall, C.R., Mendenhall, C., Mulch, A., Mychajliw, A.M., Nowak, C., Ramakrishnan, U., Schnitzler, J., Das Shrestha, K., Solari, K., Stegner, L., Stegner, M.A., Stenseth, N.C., Wake, M.H., and Z. Zhang (2017). Merging Paleobiology With Conservation Biology to Guide the Future of Terrestrial Ecosystems. *Science* 355: eaah4787
32. Brown, S.K.<sup>†</sup> and **J.L. Blois** (2016). The complete mitochondrial genome of the dusky-footed woodrat (*Neotoma fuscipes*) (Rodentia, Cricetidae). *Mitochondrial DNA Part B: Resources* 1(1): 728-729
31. Lyons, S.K., Amatangelo, K.L., Behrensmeyer, A.K., Bercovici, A., **Blois, J.L.**, Davis, M., DiMichele, W.A., Du, A., Eronen, J.T., Faith, J.T., Graves, G.R., Jud, N., Labandeira, C., Looy, C.V., McGill, B., Miller, J.H., Patterson, D., Pineda-Munoz, S., Potts, R., Riddle, B., Terry, R., Tóth, A., Ulrich, W., Villaseñor, A., Wing, S., Anderson, H., Anderson, J., and N. J. Gotelli (2016). Lyons et al. reply. *Nature* 537: E5-6
30. Lorenz, D.J., Nieto-Lugilde, D., **Blois, J.L.**, Fitzpatrick, M.C., and J.W. Williams (2016). Downscaled and debiased climate simulations for North America from 21,000 years ago to 2100AD. *Scientific Data* 3: 160048 29. Maguire, K.C.\* , Nieto-Lugilde, D.\* , **Blois, J.L.**, Fitzpatrick, M.C., Williams, J.W., Ferrier, S. and D.J. Lorenz (2016). Controlled comparison of species- and community-level models across novel climates and communities. *Proceedings of the Royal Society Series B* 283: 20152817
28. Brown, S.K.<sup>†</sup> and **J.L. Blois** (2016). Ecological insights from ancient DNA. *eLS* 1-7.
27. Dawson, Michael N, Axmacher, Jan C, Beierkuhnlein, Carl, **Blois, Jessica L**, Bradley, Bethany A, Cord, Anna F, Dengler, Jürgen, He, Kate S, Heaney, Lawrence S, Jansson, Roland, Mahecha, Miguel D, Myers, Corinne, Nogués-Bravo, David, Papadoupoulou, Anna, Reu, Björn, Rodríguez-Sánchez, Francisco, Steinbauer, Manuel J, and Alycia Stigall (2016). A second horizon scan of biogeography: Golden Ages, Midas touches, and the Red Queen. *Frontiers of Biogeography* 8.4: e29770
26. Lyons, S.K., Amatangelo, K.L., Behrensmeyer, A.K., Bercovici, A., **Blois, J.L.**, Davis, M., DiMichele, W.A., Du, A., Eronen, J.T., Faith, J.T., Graves, G.R., Jud, N., Labandeira, C., Looy, C.V., McGill, B., Miller, J.H., Patterson, D., Pineda-Munoz, S., Potts, R., Riddle, B., Terry, R., Tóth, A., Ulrich, W., Villaseñor, A., Wing, S., Anderson, H., Anderson, J., Waller, D. and N. J. Gotelli (2016). Holocene shifts in the assembly of terrestrial plant and animal communities implicate increasing human impacts. *Nature* 529: 80-83
24. **Blois, J.L.** and J.E. Williams<sup>†</sup> (2016). Quaternary biogeography and climate change. in R. Kliman, editor. *Encyclopedia of Evolutionary Biology*. vol. 3: 395–405. Oxford: Academic Press.
26. DeNeve Weeks, D.<sup>†</sup>, Nye, J.<sup>†</sup>, and **J.L. Blois** (2015). Monotypic species and extinction risk: looking at Lagomorphs. *Frontiers of Biogeography* 7.2: 35-37
25. Maguire, K.C.<sup>†</sup>, Nieto Lugilde, D., Fitzpatrick, M.C., Williams, J.W., and **J.L. Blois** (2015). Modeling

species and community responses to past, present, and future episodes of climatic and ecological change. *Annual Review of Ecology, Evolution, and Systematics* 46: 343-368

23. **Blois, J.L.** and E.A. Hadly (2015). Fossils Predict Biological Responses to Future Climate Change. in T. L. Root, K. R. Hall, M. Herzog, and C. A. Howell, editors. *Biodiversity in a Changing Climate: Linking Science and Management in Conservation*. University of California Press
22. Gill, J.L., **Blois, J.L.**, Benito, B., Dobrowski, S., Hunter Jr., M.L., and J.L. McGuire (2015). Conserving the stage for 10,000 years: a paleoecological perspective on coarse-filter strategies. *Conservation Biology* 29: 640–648
21. Jackson, S.T. and **J.L. Blois** (2015). Community ecology in a changing environment: Perspectives from the Quaternary. *Proceedings of the National Academy of Sciences* 112: 4915–4921
20. Nieto Lugilde, D., Maguire, K.C.†, **Blois, J.L.**, Williams, J.W., Fitzpatrick, M.C. (2015). Close agreement between pollen-based and forest inventory-based models of vegetation turnover. *Global Ecology and Biogeography* 24(8): 905-916 ►
19. Gavin, D.G., Fitzpatrick, M.C., Gugger, P.F., Heath, K.D., Rodríguez-Sánchez, F., Dobrowski, Hampe, A., Hu, F.S., S., Ashcroft, M.B., Bartlein, P.J., **Blois, J.L.**, Carstens, B.C., Davis, E., de Lafontaine, G., Edwards, M.E., Fernandez, M., Henne, P.D., Herring, E.M., Holden, Z.A., Kong, W., Liu, J., Magri, D., Matzke, N.J., McGlone, M.S., Saltré, F., Stigall, A.L., Tsai, Y.E., Williams, J.W. (2014). Climate refugia: joint inference from fossil records, species distribution models and phylogeography. *New Phytologist* 204:37-54.
18. **Blois, J.L.**, Gotelli, N., Behrensmeier, A.K., Faith, J.T., Lyons, S.K., Williams, J.W., Amatangelo, K.L., Bercovici, A., Du, A., Eronen, J.T., Graves, G.R., Jud, N., Labandeira, C., Looy, C.V., McGill, B., Patterson, D., Potts, R., Riddle, B., Terry, R.C., Tóth, A., Villaseñor, A., and S. Wing. (2014) A framework for evaluating the influence of climate, dispersal limitation, and biotic interactions using fossil pollen associations across the late Quaternary. *Ecography* 37: 1095–1108.
17. **Blois, J.L.** (2013). Narrowing the estimates of species migration rates. *Frontiers of Biogeography* 5(3): 171-172
16. Williams, J.W., **Blois, J.L.**, Gill, J.L., Gonzalez, L.M., Grimm, E.C., Jackson, S.T., Ordonez, A., Shuman, B., and S.D. Veloz (2013). Model systems for a no-analog future: Species associations and climates during the last deglaciation. *Annals of the New York Academy of Sciences* 1297: 29-43.
15. **Blois, J.L.**, Zarnetske, P.L., Fitzpatrick, M.C., and S. Finnegan (2013c). Climate change and the past, present, and future of biotic interactions. *Science* 341: 499-504.
14. **Blois, J.L.**, Williams, J.W., Fitzpatrick, M.C., Jackson, S.T., and S. Ferrier (2013b). Space can substitute for time in predicting climate-change effects on biodiversity *Proceedings of the National Academy of Sciences* 110: 9374-9379.
13. **Blois, J.L.**, Williams, J.W., Fitzpatrick, M.C., Ferrier, S., Veloz, S., He, F., Liu, Z., Manion, G., and B. Otto-Bliesner (2013a). Modeling the climatic drivers of spatial patterns in vegetation composition since the Last Glacial Maximum. *Ecography* 36: 460-473.
12. Uhen, M.D., Barnosky, A.D., Bills, B., **Blois, J.L.**, Carrasco, M.A., Carrano, M.T., Erickson, G.M., Eronen, J., Fortelius, M., Graham, R.W., Grimm, E.C., O’Leary, M., Mast, A., Piel, W., Polly, P.D., and L.K. Säilä (2013). From cards catalogs to computers: Databases in vertebrate paleontology. *Journal of Vertebrate Paleontology* 33(1): 13-28.
11. Gill, J.L., **Blois, J.L.**, Goring, S., Marlon, J.R., Bartlein, P.J., Nicoll, K., Scott, A.C., and C. Whitlock (2012). Letter to the Editor: Paleoecological changes at Lake Cuitzeo were not consistent with an

extraterrestrial impact. *Proceedings of the National Academy of Sciences* 109(34): E2243

10. Goring, S.J., Williams, J.W., **Blois, J.L.**, Jackson, S.T., Paciorek, C.J., Booth, R.K., Marlon, J.R., Blaauw, M. and J.A. Christen (2012). Deposition times in the northeastern United States during the Holocene: establishing valid priors for Bayesian age models. *Quaternary Science Reviews* 48: 54-60.
9. Clark, P.U., Shakun, J.D., Baker, P.A., Bartlein, P.J., Brewer, S., Brook, E.J., Carlson, A.E., Cheng, H., Kaufman, D.S., Liu, Z., Marchitto, T.M., Mix, A.C., Morrill, C., Otto-Bliesner, B., Pahnke, K., Russell, J.M., Whitlock, C., Adkins, J.F., **Blois, J.L.**, Clark, J., Colman, S.C., Curry, W.B., Flower, B.P., He, F., Johnson, T.C., Lynch-Stieglitz, J., Markgraf, V., McManus, J.F., Mitrovica, J.X., Moreno, P.I., and J.W. Williams (2012). Global climate evolution during the last deglaciation. *Proceedings of the National Academy of Sciences* 109: E1134-42.
8. Veloz, S., Williams, J.W., **Blois, J.L.**, He, F., Otto-Bliesner, B., and Z. Liu. (2012). No-analog climates and shifting realized niches during the late Quaternary: implications for 21st-century predictions by species distribution models. *Global Change Biology* 18: 1698-1713.
- Blois, J.L.** (2012). Stemming “ignorance creep” in paleoecology and biogeography. *Frontiers of Biogeography* 4(3): 93-94
- Blois, J.L.** (2012). Recent advances in using species distributional models to understand past distributions. *Frontiers of Biogeography* 3(4): 123-124
7. **Blois, J.L.**, Williams, J.W., Grimm, E.C., Jackson, S.T., and R.W. Graham (2011). A methodological framework for assessing and reducing temporal uncertainty in paleovegetation mapping from late-Quaternary pollen records. *Quaternary Science Reviews* 30: 1926-1939.
6. Williams, J.W., **Blois, J.L.**, and B. Shuman (2011). Extrinsic and intrinsic forcing of abrupt ecological change: Case studies from the late Quaternary. *Journal of Ecology* 99: 664-677.
5. **Blois, J.L.**, McGuire, J.L., and E.A. Hadly (2010). Small mammal diversity loss in response to late-Pleistocene climatic change. *Nature* 465: 771-774.
4. **Blois, J.L.** and E.A. Hadly (2009). Mammalian response to Cenozoic climatic change. *Annual Review of Earth and Planetary Sciences* 37: 181-208.
3. **Blois, J.L.**, Feranec, R.S., and E.A. Hadly (2008). Environmental influences on spatial and temporal patterns of body-size variation in California ground squirrels (*Spermophilus beecheyi*). *Journal of Biogeography* 35: 602-613.
2. Feranec, R.S., Hadly, E.A., **Blois, J.L.**, Barnosky, A.D. & A. Paytan (2007). Radiocarbon dates from the Pleistocene fossil deposits of Samwel Cave, Shasta County, California, USA. *Radiocarbon* 49: 117-121.
1. **Blois, J.L.** and B.S. Arbogast (2006). Conservation genetics of the Sonoma tree vole (*Arborimus pomo*) based on mitochondrial and AFLP markers. *Journal of Mammalogy* 87: 950-960.

#### **Other publications**

- Grimm, E.C., **Blois, J.L.**, Giesecke, T., Graham, R.W., Smith, A.J., and J.W. Williams. (2018). Constituent databases and data stewards in the Neotoma Paleoecology Database: History, growth, and new directions. *PAGES Magazine* 26(2): 64-65.
- Blois, J.L.**, Goring, S. and A. Smith (2011). Integrating paleoecological databases. *Eos* 92(6): 48.
- Blois, J.L.** (2012). Once and Future Giants. What Ice Age Extinctions Tell Us About the Fate of Earth’s Largest Animals by Sharon Levy. Invited book review, *Quarterly Review of Biology* 87(1): 53-54.

## GRANTS

- 2022–25 NSF-HRD. Collaborative Research: ADVANCE Partnership: Empowering scientists to transform workplace climate through the ADVANCEGeo community-based intervention program. Transferred to JL Blois as Lead PI, \$135,193
- 2022–25 NSF-OAC (Public Access Initiative, FAIROS RCN). Collaborative Research: FAIROS Disciplinary Improvements for Past Global Change Research: Connecting Data Systems and Practitioners. Lead PI, \$576,838 to JL Blois
- 2022–25 NSF-EAR (Sedimentary Geology and Paleobiology). Collaborative Research: Leveraging the power of ecological modeling and functional ecology to understand spatio-temporal variation in community assembly through the late Quaternary. PI, \$321,683 to JL Blois
- 2022–25 NSF-EAR (Sedimentary Geology and Paleobiology). Collaborative Research: Wolf RACE (Resource Availability and Competition in Ecosystems) - Insights from The McKittrick and Rancho La Brea Lagerstätte. Senior Personnel.
- 2020–23 NSF-EAR (Geoinformatics). Collaborative Research: Neotoma Paleocology Database, a Multi-Proxy, International, Community-Curated Data Resource for Global Change Research, with members of the Neotoma Database. PI, \$67,498 to JL Blois
- 2019–23 UC Mexus-CONAYCT. Range shifts and novel communities: catalyzing global change research by integrating paleodata across North and Central America. PI, \$10,787 to JL Blois.
- 2018–23 NSF-EAR (Sedimentary Geology and Paleobiology). CAREER: From genes to assemblages: causes and consequences of spatiotemporal population variation across millennia in small mammals. Lead PI, \$782,449 to JL Blois
- 2018–19 Society of Systematic Biologists. Diversity, Differentiation, And Environment: Variation Across Landscapes In The North American River Otter (*Lontra canadensis*). \$2000 to JL Blois and Danaan DeNeve Weeks (PhD student).
- 2016–17 UC Merced Faculty Research Grant: The relationship among climate, traits, and genetic diversity in a generalist species: identifying early indicators of vulnerability. PI, \$5,000 to JL Blois
- 2016–19 NSF-EAR (Sedimentary Geology and Paleobiology). Collaborative Research: Assessing millennial-scale community dynamics using highly-resolved mammal and vegetation food webs. PI, \$279,659 to JL Blois
- 2016–18 NSF-EAR (Geoinformatics). Collaborative Research: Neotoma Paleocology Database, Community-led Cyberinfrastructure for Global Change Research, with members of the Neotoma Database. PI, \$89,166 to JL Blois
- 2015–17 NSF-ICER (EarthCube IA). Collaborative Proposal: Building Interoperable Cyberinfrastructure (CI) at the Interface between Paleogeoinformatics and Bioinformatics, with members of Neotoma and Paleobiology Databases. PI, \$66,118 to JL Blois
- 2013–16 NSF-DEB (Population and Community Ecology). Collaborative Research: Incorporating Biotic Interactions into Models of Species Assemblages under Climate Change: A Comparison of Single-Species and Community-Level Approaches. PI, \$229,322 to JL Blois
- 2014–15 UC Merced Faculty Research Grant: Sensitivity of northern California small mammals to past climate, habitat, and biotic change. PI, \$4,757 to JL Blois
- 2013–17 NSF-OCE. Dimensions of Biodiversity: Do Parallel Patterns Arise from Parallel Processes? Senior Personnel, \$101,764 to JL Blois

## FELLOWSHIPS AND AWARDS

- 2019 The 2017 E4 Award (The Ecography Award for Excellence in Ecology and Evolution) for the publication Rapacchiolo and Blois (2019). Note: the award year was based on the deadline for abstract submission to be considered for the award, though award notification, paper acceptance, and publication was in 2019.
- 2017 MacArthur and Wilson Award from the International Biogeography Society
- 2010 DISCCRS V Symposium Scholar
- 2009 Centennial Teaching Assistant award
- 2008–10 SCORE grant (on behalf of the Stanford Biology department)
- 2007 Biological Impacts of Climate Change in California Fellowship
- 2007 Society of Vertebrate Paleontology Annual Meeting Travel Grant
- 2007 International Biogeography Society Biennial Conference Travel Grant
- 2006 Sigma Xi Grant-in-Aid of Research
- 2005 Center for Evolutionary Studies grant recipient, Stanford University
- 2003 American Society of Mammalogists Grant-in-Aid of Research
- 2003 Humboldt State University Biology Department Master’s Grant
- 1996–2000 National Merit Scholarship

### **PLENARY AND AWARD TALKS**

- 2017 MacArthur and Wilson Award Talk, International Biogeography Association Biennial Meeting, Jan 12. Biogeography in a Changing Environment: Perspectives from the Late Quaternary
- 2016 Keynote Speaker, UC Mathias Symposium, Feb 27. Ecological Processes in a Changing Environment: Perspectives from the Past.
- 2015 Plenary Talk, International Union for Quaternary Science Congress, Jul 27. Ecological Processes in a Changing Environment: Perspectives from the Quaternary.

### **INVITED SEMINAR PRESENTATIONS** (since 2013)

- 2021 International Biogeography Society, Funk Lecture Series. Spatiotemporal patterns of species and community change in California small mammals.
- 2020 University of Texas, Austin, Department of Integrative Biology. Discerning species & assemblage dynamics through a fuzzy lens: small mammals at the Rancho La Brea Tar Pits.
- 2020 University of California, Berkeley, UC Museum of Paleontology Fossil Coffee. Species and assemblage dynamics throughout the late Quaternary at the Rancho La Brea Tar Pits.
- 2019 University of Arizona, Department of Geosciences. Species and assemblage dynamics throughout the late Quaternary at the Rancho La Brea Tar Pits.
- 2019 Yosemite Forum, Yosemite National Park, CA. Taking the long view: Responses of California small mammals to climate change over the past 20,000 years.
- 2019 Lehigh University, Department of Earth and Environmental Sciences. Changing climates and communities at the end of the Quaternary: biotic interactions, novel climates, and the limits of model predictability.
- 2018 University of Washington, Department of Biology. From the Pleistocene to the Anthropocene: Ecological Patterns and Processes in Novel Environments.
- 2017 University of Oklahoma, Department of Biology. Paleobiogeography from the Pleistocene to the Anthropocene: Perspectives from a changing environment.
- 2017 Texas A&M University, Ecology and Evolutionary Biology Doctoral Program. Temporal dynamics of ecological patterns and processes.
- 2016 UC Los Angeles Department of Ecology and Evolutionary Biology. Impact of climate novelty: translating insights from the past to projections for the future.
- 2016 George Washington University, Center for the Advanced Study of Human Paleobiology. Ecological Processes in a Changing Environment: Perspectives from the Late Quaternary.

- 2016 UC Santa Barbara Ecology, Evolution, and Marine Biology Seminar Series. Ecological Processes in a Changing Environment: Perspectives from the Past.
- 2015 CSU Fresno Biology Seminar Series. Ecological Processes in a Changing Environment: Perspectives from the Quaternary.
- 2015 University of Tennessee Knoxville Ecology and Evolutionary Biology Seminar Series. Community Ecology in a Changing Environment: Perspectives from the Quaternary.
- 2014 UC Davis Geology Seminar Series. Ecological responses to environmental change: using the past as a lens into the future.
- 2014 UC Merced Sierra Nevada Research Institute Research Week Symposium. Drought in the paleo record: signatures and responses.
- 2013 UC Berkeley Department of Integrative Biology. Ecological responses to environmental change: using the past to understand the future
- 2013 York University Department of Biology. Ecological responses to environmental change: using the past to understand the future
- 2013 University of Chicago Department of Geophysical Sciences. Ecological responses to environmental change: using the past to understand the future.
- 2013 UC Merced Environmental Systems Seminar. Quaternary paleoecology: looking backwards for insights into the future

#### **INVITED CONFERENCE TALKS** (since 2013)

- 2022 **Blois, J.L.**, Boria, R., Williams, J.E., Brown, S., Matocq, M., Shaver, C., Warnert, R. Biodiversity Patterns across Space and Time: The 'Fuzzy' Lenses Provided by Paleo- and Neo-Ecological Data. Unifying Ecology Across Scales Gordon Research Conference, Manchester, NH (scheduled, August 2022).
- 2022 **Blois, J.L.**, Boria, R., Williams, J.E., Brown, S., Matocq, M., Shaver, C., Warnert, R. Biodiversity patterns across space and time: integrating paleo- and neo-ecological data. American Quaternary Association Biennial Meeting, Madison, WI.
- 2019 **Blois, J.L.** Incorporating Quaternary Baselines Into Macroecological Analyses Of Species Dynamics. Royal Society Discussion Meeting, The past is a foreign country: how much can the fossil record actually inform conservation?, London, UK.
- 2018 **Blois, J.L.**, Fitzpatrick, M.C., Williams, J.W., Maguire, K., Nieto-Lugilde, D., Williams, J.E. The influence of cross-trophic associations on community structure at the end of the Quaternary. Big Questions, Big Data Symposium, Society of Vertebrate Paleontology Annual Meeting, Albuquerque, NM, Oct 17.
- 2018 **Blois, J.L.** The Neotoma Paleoecology Database - Current Infrastructure, Ongoing Challenges, and Future Directions. Geoscience Digital Data Resource and Repository Service (GeoDaRRS) Workshop, NCAR, Boulder, CO, Aug.
- 2018 **Blois, J.L.**, Fitzpatrick, M.C., Williams, J.W., Maguire, K., Nieto-Lugilde, D., Williams, J.E. The influence of cross-trophic associations on community structure at the end of the Pleistocene Mammals Across the Ages Symposium, American Society of Mammalogists Annual Meeting, Manhattan, KS, Jun 28.
- 2016 **Blois, J.L.**, Fitzpatrick, M.C., Nieto-Lugilde, D., Maguire, K., Williams, J.W. Using paleodata to test the assumptions and accuracy of biogeographic models. Paleoecology: Tools, Models, and Novel Approaches Symposium, American Quaternary Association Biennial Meeting, Jun 30.
- 2015 **Blois, J.L.** Ecological Baselines for Decision Making. Our Changing Planet Workshop, Sep 14.
- 2015 **Blois, J.L.** and S.T. Jackson. Biodiversity across varying environments: Mechanisms of compositional stasis and change. Understanding Temporal Trends of Biodiversity Symposium, Ecological Society of America Annual Meeting, Aug 11.



- 2014 **Blois, J.L.** 21,000 years of shifting species, communities, and biotic associations in response to past climate change. Climate and Beyond: Cumulative Impacts on Species Range Shifts Symposium, Ecological Society of America Annual Meeting, Aug 14.
- 2014 **Blois, J.L.** Ecological Responses to Environmental Change: Using the Past to Understand the Future. Unifying Ecology Across Scales Gordon Research Conference, Jul 24.
- 2013 **Blois, J.L.** Long-term perspectives on biotic interactions in a changing world. Sigma Xi Symposium, UC Merced, Mar 7.
- 2013 **Blois, J.L.,** Williams, J.W., Fitzpatrick, M.C., Jackson, S.T., Ferrier, S. Can space substitute for time in predicting climate-change effects on biodiversity? The Convergence of Conservation Paleontology and Biogeography Symposium, International Biogeography Society Biennial Meeting, Jan 11.

**OTHER CONFERENCE TALKS AND POSTERS** (since 2013, note that I have omitted all talks on which I am not the lead author / presenter). †indicates a graduate student or postdoctoral advisee.

- 2019 **Blois, Jessica L.,** Nathaniel S. Fox†, Katherine Glover, Jacquelyn Gill, Taran Rallings, Justin Yeakel, John Southon, Gary Takeuchi, Aisling Farrell, Emily Lindsey. Cross-trophic assemblage dynamics at the Rancho La Brea Tar Pits. Poster, International Quaternary Association, Dublin, Ireland.
- 2019 **Blois, Jessica L.** The influence of cross-trophic associations on community structure at the end of the Quaternary. International Quaternary Association, Dublin, Ireland.
- 2016 **Blois, Jessica L.,** Brown, Sarah K.†, Hadly, Elizabeth A. Assessing cross-contamination in ancient DNA from temperate cave deposits. Poster, Annual Society of Vertebrate Paleontology Meeting, Salt Lake City, UT.
- 2015 **Blois, Jessica L.** and Stephen T. Jackson. Biodiversity across Varying Environments: Accumulation, Loss, or Stasis. Poster and Flash Talk, International Biogeography Society Biennial Meeting, Bayreuth, Germany.
- 2013 **Blois, Jessica L.,** and 22 co-authors. The influence of climate and dispersal limitation on the stability of biotic associations across the late Quaternary. Talk, IBS Geography of Species Associations Meeting Montreal, QC.
- 2013 **Blois, Jessica L.,** Li, Cheng (Lily), Hadly, Elizabeth A. The influence of late Quaternary climates on species distribution, abundance, and genetic diversity of northern California pocket gophers. Poster, Society of Vertebrate Paleontology Annual Meeting, Los Angeles, CA.
- 2013 **Blois, Jessica L.,** Li, Cheng (Lily), Hadly, Elizabeth A. Hindcasting the late Quaternary climatic influence on species distribution, abundance, and genetic diversity of northern California pocket gophers. Talk, Ecological Society of America Annual Meeting, Minneapolis, MN.

**EDUCATIONAL ACTIVITIES** (with class evaluation scores, out of 7 points)

- 2014- Instructor of Record for Community Ecology (ES/QSB 246)
- Fall 2014: 6.9 and 7 (two different enrollments, one per grad group)
  - Fall 2015: 6.7 and 6.8 (two different enrollments, one per grad group)
  - Spring 2018: 6.9 for QSB 246
  - Spring 2022: 6.8 overall
- 2013- Instructor of Record for Paleocology (ESS 129 / Bio 129 / ES 229)
- Spring 2013: 6.7, range of average 6.3 to 7 for individual questions
  - Spring 2015: 6.8, range of average 6.5 to 6.9 for individual questions
  - Fall 2016: 6.7, range of average 6.4 to 7 for individual questions
  - Fall 2018: 6.8 overall

- Spring 2021: 6.8 overall; transitioned class to online
- 2020 Co-Instructor of Record for one or two sections of Fundamentals of Biology (BIO 001) (virtual)
  - Fall 2020: 6.1 and 6.5 overall
  - Spring 2021: 6.4 overall
- 2020 Co-Instructor of Record for Anti-Racism in Environmental Systems seminar (ES 292)
  - Fall 2020: 6.6 overall
- 2019 Instructor of Record for Advanced Topics in Ecology and Evolution (QSB 248 / ES 248)
  - Fall 2019: 5.4 overall
- 2017 Instructor of Record for Fundamentals of Ecology (ESS 148 / Bio 148)
  - Fall 2017: 6.0 overall
- 2014-17 Instructor of Record for Ecosystems of California (ESS 50)
  - Spring 2014: 6.3, range of average 5.7 to 6.8 for individual questions
  - Spring 2016: 5.8, range of average 5.0 to 6.6 for individual questions
  - Spring 2017: 6.5, range of average 5.9 to 6.8 for individual questions
- 2016-17 Guest lectures on Population Ecology for the UC Merced BIO 001 undergraduate class
- 2015 Faculty mentor, Assessment as Pedagogy and Planning Learning Community
- 2010-12 Lectures on Phylogeography & Phylochronology, the Last Glacial Maximum, UW-Madison
- 2006 Teaching Assistant, Ecology, Stanford (with lecture on Island Biogeography & Dispersal)
- 2006 Teaching Assistant, Evolutionary Paleobiology, Stanford (with lectures on 22Fossilization & Taphonomy, Biotic Turnover)
- 2005 Teaching Assistant, Plant Biology, Evolution, and Ecology, Stanford
- 2004 Teaching Assistant, General Biology for Non-Majors, Humboldt State
- 2003 Spring and Fall, Teaching Assistant, General Ecology Lab, Humboldt State
- 2002 Teaching Assistant, General Biology for Non-Majors, Humboldt State

## **DIVERSITY, EQUITY, AND INCLUSION ACTIVITIES**

- 2021 Participated in UC Central Valley URGE (Unlearning Racism in the Geosciences) pod
- 2021 Presenter, Summer Bridge Session - Diversity in Academia
- 2018-21 Co-chair, Chancellor's Advisory Committee on the Status of Women
- 2020-21 Chair, *Ad hoc* DEI committee
- 2020 Co-led development of new seminar within ES grad group (Anti-racism in Environmental Systems)
- 2014-19 Regular attendee, UC Merced Fiat Lux Scholars Program Faculty Receptions
- 2018 Lead, Code of Conduct Development Team for the Neotoma Paleoecology Database
- 2018 Participant, SNS Diversity, Equity, and Inclusion Working Group
- 2015-18 Mentor, Women in STEM (3 mentees)
- 2017 Co-organizer, Software Carpentry Workshop for UCM Scholars (which focused on underrepresented student participants)
- 2017 W-STEM panelist on "W-STEM Q&A Session"
- 2017 Lab Tour, Graduate Studies at UC Merced, CSU Los Angeles LSAMP Scholars, Jun 26.
- 2016 Featured guest, George Washington University Hominid Paleobiology Doctoral Program "Diversity Happy Hour"
- 2015 Dinner with A Scientist for high school girls from the Mariposa area
- 2015 UC Merced Summer Research Institute Panelist, "The Graduate School Experience"
- 2015 W-STEM panelist on "First Steps of Navigating the Academic Job Market"
- 2014 W-STEM panelist on "Work-Life Balance"
- 2014 Talk, Graduate Studies at UC Merced, CSU Channel Islands LSAMP Scholars, Oct 3.
- 2009 Volunteer, Expanding Your Horizons
- 2006-08 Volunteer, Bay Area Girl Scouts "Girls Go Tech" Career Exploration Day

## **OUTREACH ACTIVITIES**

- 2020-22 Organizer, Bobcat STEM week-long summer session for middle schoolers. Back to the Future: Time-traveling through California's Biodiversity (2020, 2021 virtual, 2022 in person)
- 2018 Guest speaker, Merced STEAM Center, Sep 4, Merced, CA
- 2016 Guest speaker, "Down on the Farm" radio show, FM88.1, KFCF, Feb 5, Fresno, CA
- 2015 Dinner with a Scientist, Merced, CA, Sep 30
- 2015 Organizer and moderator, "Dodging Extinction" talk at Merced Theatre, Apr 14, Merced, CA.
- 2014 Talk, Modesto Junior College Science Colloquium, Oct 22.
- 2014 Talk, Los Angeles Museum of Natural History, Oct 17. Community Ecology in a Changing Environment: Perspectives from the Quaternary.
- 2013 Science Cafe presenter, May 12.
- 2012 UW Madison Wednesday Night at the Lab speaker, Aug 8.
- 2005 Consultant, IUCN Global Mammal Assessment - *Arborimus pomio*

## **UNIVERSITY SERVICE**

### **DEPARTMENT OF LIFE AND ENVIRONMENTAL SCIENCES**

- Ongoing Chair or Member, various LES personnel committees
- 2021- Chair, *Ad Hoc* LES Curriculum Committee
- 2018- Organizer, LES Spooky Science Event
- 2021 Search committee member, Spousal Hire Targeted Search Committee
- 2019-20 Search committee member, Earth Surface Processes and PFP searches
- 2014 Search committee member, Global Change Evolutionary Biologist and Ecological Modeler cluster hires
- 2013 ESS Curriculum Workshop Co-coordinator

### **SCHOOL OF NATURAL SCIENCES**

- 2021 Member, SNS Graduate Education and R1 Task Force
- 2018 Participant, Faculty Support Retreat Speed Networking Activity
- 2017 Search committee member, Natural Sciences Grants Manager
- 2016-17 LES representative, Natural Sciences Executive Committee

### **GRADUATE GROUP / DIVISION SERVICE**

- 2021- Member, Quantitative & Systems Biology Executive Committee
- 2021- Chair, Quantitative & Systems Biology Recruitment Committee
- 2020-21 Chair, *Ad Hoc* ES DEI Committee
- 2018-21 Environmental Systems Membership Review Committee
- 2020 Reviewer, ES Summer Fellowships
- 2015-19 Co-Chair, Quantitative and Systems Biology Seminar Committee
- 2017 GradSlam Judge
- 2014-16 Secretary, Quantitative and Systems Biology Graduate Group Executive Committee
- 2013-16 Chair (2014-16) and Member (2013-14), Environmental Systems Graduate Group Admissions Committee
- 2014 Chair, Quantitative and Systems Biology Mission and Vision Committee

### **UC MERCED NATURAL RESERVE SYSTEM SERVICE**

As the Faculty Director, I oversee activities at four natural reserves and field stations (two that are part of the UC NRS and two that are UC Merced sites). Presently, there are [four permanent staff members](#) in the

unit, though since I started this position in Fall 2018, staffing levels have been as low as one remote, part-time staff member, with me filling in the essential duties of the vacant and part-time positions. I directly supervise one employee (the NRS Associate Director), though at various points I have supervised every individual staff member due to vacancies.

As Faculty Director, there are various other related UCM and systemwide committees I have served on:

- 2022- Elected Member, UC NRS Executive Committee of the University-wide Advisory Committee
- 2018- Representative, UC Natural Reserve System University-wide Advisory Committee
- 2021- Member, Chancellor's Advisory Committee on Land Use
- 2022- *Ex officio* member, SCICON Field Station Advisory Committee
- 2021- *Ex officio* member, YSFS Advisory Committee
- 2018- *Ex officio* member, MVPGR Advisory Committee
- 2018- *Ad hoc* member, UCM-NPS Partnership Steering Committee
- 2021-22 Member, Grazing Relicense Evaluation Committee
- 2021 UC NRS Director Search Committee
- 2021 Lead, COVID Research Relaunch Field Research Appendix Working Group
- 2021 Chair, UCM NRS Associate Director Search Committee
- 2019 Chair, Merced Vernal Pools and Grassland Reserve Director Search Committee
- 2019 Chair, Yosemite and Sequoia Field Station Director Search Committee
- 2019 Chair, UCM NRS Associate Director Search Committee

#### **OTHER UC MERCED SERVICE**

- 2021- Member, Library and Scholarly Communication Senate Committee
- 2022 Member, UC Merced Internal Audit Director search advisory team
- 2022 Panelist, ORED National Science Foundation CAREER: Virtual Faculty Panel Event
- 2022 Participant, Academic Scholars Recruitment Dinner
- 2021-22 Reviewer, Yosemite Leadership Program Capstone Pitch Review
- 2020 Panelist, ORED National Science Foundation CAREER: Virtual Faculty Panel Event
- 2018 Reviewer, NRS Mathias Grants Review Committee
- 2018 Panelist, New Faculty Welcome Faculty Panel
- 2015-18 Presenter, "Ecosystems of California", UC California Naturalist Certification Program
- 2017-18 Member, Faculty Welfare and Academic Freedom Senate Committee
- 2017 Committee, Science and Health Writer with University Communications
- 2015-16 Presenter, Vernal Pools and Grassland Reserve California Naturalist Program
- 2014-15 Vice-Chair, Vernal Pools and Grassland Reserve Advisory Committee
- 2015 WRI 116 Undergraduate Proposal Contest Adjudication
- 2015 Member, ISEECI GSR Review Committee
- 2013 Reviewer, NRS Mathias Grants Review Committee

#### **OTHER UC SYSTEMWIDE SERVICE**

- 2018 Reviewer, UC Presidents Postdoctoral Fellowship Program Applications
- 2015 Member, UC NRS Berkeley Natural Reserves Review Committee

#### **NEOTOMA PALEOECOLOGY DATABASE SERVICE**

- 2020- Member, Neotoma Paleoecology Database IT Committee
- 2016- Associate Chair, Neotoma Paleoecology Database Executive Committee
- 2016- Member, Neotoma Paleoecology Database Leadership Council
- 2016- Chair, Vertebrate Working Group, Neotoma Paleoecology Database
- 2016- Lead Organizer and contributor, various workshops on data use and data contribution

- 2010- Data steward for mammals, Neotoma Paleoecology Database  
 2010-15 Co-chair, Vertebrate Working Group, Neotoma Paleoecology Database

## **OTHER PROFESSIONAL SERVICE**

- 2018- Member, Data Management Committee, Australian Research Council Centre of Excellence for Australian Biodiversity and Heritage (CABAH)  
 2017- Member, Centre Advisory Committee, Australian Research Council Centre of Excellence for Australian Biodiversity and Heritage (CABAH)  
 2009- Ad hoc Proposal Reviewer for: NSF, NERC, Australian Antarctic Program, US Army, Deutsche Forschungsgemeinschaft (DFG), Graduate Women in Science, University of Oregon Museum of Natural History (2 - 4 ad hoc proposal reviews per year)  
 2006- Manuscript Reviewer for: The Auk, Biological Reviews, Current Biology, Diversity and Distributions, Ecography, Ecological Monographs, Ecology, Ecology Letters, Ecosphere, Frontiers in Ecology and the Environment, Global Change Biology, Global Ecology and Biogeography, The Holocene, Journal of Biogeography, Journal of Mammalogy, Landscape Ecology, Nature Climate Change, Nature Communications, Nature Ecology and Evolution, Proceedings of the National Academy of Sciences USA, Quaternary International, Quaternary Research, Quaternary International, Quaternary Science Reviews, Paleobiology, Proceedings of the Royal Society Series B, Science, Scientific Data, Trends in Ecology and Evolution, University of Oregon Museum of Natural History (ranging from 3 - 12 reviews per year since 2015)  
 2020-21 Member, Conservation Paleobiology Annual Meeting Panel  
 2020 NSF Panelist, Division of Earth Sciences  
 2020 NSF Panelist, Division of Environmental Biology  
 2018 External Examiner, University of Copenhagen PhD Thesis (Konstantinos Giampoudakis)  
 2018 Instructor, Measuring biodiversity and ordination methods, Analytical Paleobiology Short Course, Gainesville, FL, August.  
 2014-18 Paleobiology Councilor, American Quaternary Association  
 2013-18 Steering committee member, NMNH Evolution of Terrestrial Ecosystems Research Coordination Network  
 2014 Panelist, National Science Foundation Division of Environmental Biology  
 2014 Reviewer for Early Career Travel Awards and Conference Abstracts, IBS Biennial Meeting  
 2011-14 Co-editor, Quaternary Times Newsletter (American Quaternary Association)  
 2010-11 Organizer, Climate, People, and Environment Program Seminar, UW Madison  
 2010 Organizer/co-host, Neotoma Consortium workshop, September 23-26<sup>th</sup>, Madison, WI  
 2008-09 Head Mentor TA, Department of Biology, Stanford University  
 2007-09 Stanford Center for Teaching and Learning Department Liaison  
 2008 Panel Discussion Lead Organizer, 2008 Young Environmental Scholars Workshop  
 2006-08 Faculty/grad student liaison, Department of Biological Sciences, Stanford  
 2005-07 Eco-Evo Poo-bah, Department of Biological Sciences, Stanford  
 2003-04 Vice President, Biology Graduate Student Association (Humboldt State University)

## **EDITORIAL SERVICE**

- 2018-19 Co-editor, *Frontiers in Ecology and Evolution*, Special research topic on Ecological non-equilibrium in the Anthropocene  
 2015-20 Subject editor, *Ecography*  
 2011-19 Associate editor, *Frontiers of Biogeography*

## ADVISING ACTIVITIES

\*UC Merced grad group or other university indicated in ( )

### Postdoctoral Scholars

*Completed:*

Mairin Balisi (2018 - 2022); currently Curator, ALF Museum in Claremont, CA

Giovanni Rapacciuolo (2017); currently Director of Applied Data Science at NatureServe

Sarah Brown (2014-2016); currently Senior Environmental Scientist at CA Department of Water Resources

Kaitlin Maguire (2014-2015); currently Executive Director at Idaho STEM Action Center

### Doctoral student advisees

*Active:*

Reina Warnert (QSB, 2021 - present)

Laura Van Vranken (QSB, 2019 - present (*anticipated graduation: Fall 2022*)); secured permanent position at Sequoia-Kings Canyon National Park

*Completed:*

J. Eric Williams (ES, 2013 - 2019); now a Professor (permanent) at Fayetteville Technical Community College

Nathaniel Fox (ES, 2015 - 2020); now Associate Director of the South Dakota School of Mines Museum of Geology

Danaan DeNeve Weeks (QSB, 2014 - 2020); secured postdoctoral fellowship at the La Brea Tar Pits/ U. Southern California

Robert Boria (QSB, 2015 - 2021); secured NSF PRFB at Harvard University

Kinsey Brock (QSB, 2019 - 2021); secured NSF PRFB at UC Berkeley

### Masters student advisees

*Completed:*

Corey Shaver (ES, 2020 -2022)

### Graduate student committee memberships

*Active:*

Christopher Bivins (QSB *Ph.D.*, 2022 - present).

Fahad Ahmed (ES *Ph.D.*, 2021 - present)

Irina Birskis Barrios (QSB *Ph.D.*, 2020 - present)

Ronald Hall (QSB *Ph.D.*, Chair, 2020 - present)

Gabriele Larocca Conte (ES *Ph.D.*, Chair, 2020 - present)

Taran Rallings (QSB *Ph.D.*, Chair, 2018 - present)

*Completed:*

Molly Karnes (ES, *M.S.*, Chair, 2019 - 2022)

Brandon Hendrickson (ES *Ph.D.*, Chair, 2018 - 2022 )

Kinsey Brock (QSB *Ph.D.*, 2016 - 2019; moved into my lab as a PhD advisee)

Marie Westover (U. New Mexico, *Ph.D.*, External Member, 2018 - 2019)

Lauren Schiebelhut (ES *Ph.D.*, 2012 - 2017)

Jesse Wilson (ES *Ph.D.*, 2013 - 2017)

Joe Crockett (ES, *M.S.*, 2016 - 2017)

Alisa Keyser (ES *Ph.D.*, 2015 - 2016)

Jonathan Nye (ES *Ph.D.*, Chair; 2015 - 2017; moved to UC Riverside)  
Holly Swift (QSB *Ph.D.*, 2015 - 2016)  
Joy McDermott (ES, *M.S.*, 2016)  
Erin Dickman (ES, *M.S.*, 2015)  
Sharon Patris (ES, *M.S.*, 2015)

### **WORKING GROUPS AND WORKSHOPS** (since 2013)

2022- Organizing Committee, IMEMEBA Workshop: Integrating macro-ecology & macro-evolution for biodiversity assessment  
2019- Participant, FuTRES: Functional Trait Resource for Environmental Studies Working Group  
2017-18 Participant, PACE: Paleoecology and Community Ecology Working Group  
2012-18 Participant and Steering Committee Member, NMNH Evolution of Terrestrial Ecosystems, Community Assembly and Disassembly Working Group  
2015-16 Participant, University of California ISEECI History Working Group  
2013-16 Participant, South American Megafaunal Extinctions Working Group  
2012-15 Participant, iCCB Working Group: Traits, Niches & Climate as common coinage

### **MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS**

American Association for the Advancement of Science; American Society of Mammalogists; American Quaternary Association; Ecological Society of America; International Biogeography Society; Phi Beta Kappa National Honor Society; Sigma Xi; Society for the Study of Evolution; Society of Vertebrate Paleontologists