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University of California, Los Angeles

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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

2026 – Professor and Donald R. Dickey Chair in Vertebrate Biology, Department of Ecology and Evolutionary Biology, University of California, Los Angeles
2023 – 2026 Professor, Department of Life and Environmental Sciences, School of Natural Sciences, University of California, Merced
2014 – Research Associate, University of California Museum of Paleontology
2018 – 2025 Faculty Director, Natural Reserve System, University of California, Merced
2018 – 2023 Associate Professor, Department of Life and Environmental Sciences, School of Natural Sciences, University of California, Merced
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 August 5, 2026)

[Google Scholar](#): H-index = 34, i10 index = 50

PUBLICATIONS

†graduate student or postdoctoral advisee, ^undergraduate, and *authors contributed equally.

Pending publications

Lieberman, Leigh Anne, Pilaar Birch, Suzanne E., Thomer, Andrea K., Williams, John W., Balk, Meghan, **Blois, Jessica L.**, Cradic, Melissa S., Fuller, Nicole R., Goring, Simon J., Hoffman, Nicholas, Green, Jennifer L., Kansa, Eric C., King, Jessica N., LeFebvre, Michelle J. (in review, *Scientific Data*). Interweaving the CARE and FAIR Principles in Open Quaternary Data Resources: From reflection to initial action. *Note: The first author was randomly chosen, then authorship order proceeds alphabetically.*

Bellvé, A., Syverson, V.†, **Blois, J.L.**, Jarzyna, M. (in review, *Paleobiology*). Temporal uncertainty in fossil records can distort distributions and ecological niches during periods of climatic instability.

Schneider, Blair, Fabian Bell, Christine, Whitmire, Stefanie, Horinek, Hannah, Hastings, Meredith G., Barnes, Rebecca, Mattheis, Allison, Berhe, Asmeret A., Blois, Jessica, Williams, Billy, Burt, Melissa A., Marin-Spiotta, Erika. (in review, *AGU Advances*). An Evaluation of the ADVANCEGeo Community-Based Bystander Intervention Peer-Training Program for Interrupting Exclusionary Behaviors in Research Environments.

Warnert, R.† and Blois, J.L. (submitted, *Journal of Mammalogy*). Low-Severity Wildfire Drives Small Mammal Diversity in the Footprint of a Catastrophic Megafire.

Warnert, R.† and Blois, J.L. (submitted, *Frontiers of Biogeography*). Impacts of Fire Regime on Small Mammal Communities in California.

Hoffman, N.† and Blois, J.L. (in revision, *Notes and Records: the Royal Society Journal of the History of Science*). Taphonomy Turned Inward: Recovering the Human Trace in the Fossil Data Archive.

Peer-reviewed publications

Nalbant, J., Schneider, L., **Blois, J.L.**, Wolhowe, M., Sachs, J.P., Haberle, S.G., Clark, G. (in press). Response of remote Tropical West Pacific Islands to climate variability: a multi-proxy record from T-Lake, Palau, spanning the early Holocene to present. *Archeometry* <https://doi.org/10.1111/arc.70116>

Bellvé, A., Syverson, V.†, **Blois, J.L.**, Jarzyna, M. (2026). Preservation biases in the fossil record distort species ecological niche and distribution models. *Ecography* 3: e08085 <https://doi.org/10.1002/ecog.08085>

Syverson, V.†, Goring, S.G., Cullen, N., Jarzyna, M., Bellvé, A., Martindale, A., Blois, J.L. (2026). Updated chronologies for North American small mammal fossil localities in the Neotoma Paleoecology Database. *Scientific Data* 13: 173. <https://doi.org/10.1038/s41597-025-06491-7>

Thomer, A.K., Williams, J.W., Goring, S., and **Blois, J.L.** (2025). The Valuable, Vulnerable, Long Tail of Earth Science Databases. *Eos* 106.

Blois, J.L., Bellvé, A.M., Jarzyna, M.A., Saupe, E.E., and Syverson, V. J. P.† (2025). Paleobiogeographic Insights Gained from Ecological Niche Models: Progress and Continued Challenges. *Paleobiology* 51(1): 8-28. <https://doi.org/10.1017/pab.2024.16>.

Fox†, N.S. and **Blois, J.L.** (in press). A geometric morphometric approach to identifying extant and fossil woodrat molars with remarks on late Pleistocene *Neotoma macrotis* from Rancho La Brea. *Quaternary Research* 128: 32-44.

Staples, T.L., **Blois, J.L.**, Cramer, K.L., Cunningham, E.T., Dornelas, M., Haberle, S.G., Heger, T., Kiessling, W., Magurran, A.E., O'Dea, A., Penny, A.M., Radeloff, V.C., Smith, J.A., Thuiller, W., Williams, J.W., Pandolfi, J. M. (2025). A conceptual framework for measuring ecological novelty. *Global Ecology and Biogeography* 34(2):e70005. <http://dx.doi.org/10.1111/geb.70005>

Herbert, A.V., Haberle, S.G., Flantua, S.G.A., Mottl, O., **Blois, J.L.**, Williams, J.W., George, A., and Geoff H. (2024). The Indo-Pacific Pollen Database - a Neotoma constituent database. *Climate of the Past* 20(11): 2473–2485 <https://doi.org/10.5194/cp-20-2473-2024>

Nelson, J.K., **Blois, J.**, Goring, S., Williams, J.W., and Dominguez, S. (2024). User-centered design and evaluation of the Neotoma paleoecology open software ecosystem. *International Journal of Digital Earth*, 17(1). <https://doi.org/10.1080/17538947.2024.2378822>

Williams, J.W., Spanbauer, T.L., Heintzman, P.D., **Blois, J.L.**, Capo, E., Goring, S.J., Monchamp, M-E., Parducci, L., Von Eggers, J.M., and 17 contributing authors (2023). Strengthening global-change science by integrating aeDNA with paleoecoinformatics. *Trends in Ecology and Evolution* 38(10): 946-960. <https://doi.org/10.1016/j.tree.2023.04.016>

- Boria[†], R.A. and **J.L. Blois** (2023). 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* 180: 107701. <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** (2023). Millennial-scale drivers of small mammal isotopic niche dynamics in southern California. *Palaeogeography, Palaeoclimatology, Palaeoecology* 612: 111378. <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* 25(10): 105101 <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. (2022). Colour morph predicts social behaviour and contest outcomes in a polymorphic lizard (*Podarcis erhardii*). *Animal Behaviour* 191: 91-103. <https://doi.org/10.1016/j.anbehav.2022.06.017>
- 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.[†], Brown, S.K.[†], 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. *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.[†], 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.[†], Veneracion, J.[^], 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.[†], 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.[†], 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.[†] and **J.L. Blois**. (2019). Understanding community dynamics in space and time: integrating data and methods in light of theory. *Ecography* 42(7): 1247-1266. (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.[†] 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.[†] 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.[†], 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 DE, 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.[†], **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
- 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
- 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
- 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
- Brown, S.K.[†] 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
- 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
- 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
- Brown, S.K.[†] and **J.L. Blois** (2016). Ecological insights from ancient DNA. *eLS* 1-7.
- 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
- 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
- Blois, J.L.** and J.E. Williams[†] (2016). Quaternary biogeography and climate change. in R. Kliman, editor. *Encyclopedia of Evolutionary Biology*. vol. 3: 395–405. Oxford: Academic Press.
- DeNeve Weeks, D.[†], Nye, J.[†], and **J.L. Blois** (2015). Monotypic species and extinction risk: looking at Lagomorphs. *Frontiers of Biogeography* 7.2: 35-37
- Maguire, K.C.[†], 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
- 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
- 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
- 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
- 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 ►
- 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.
- Blois, J.L.**, Gotelli, N., Behrensmeyer, 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.
- Blois, J.L.** (2013). Narrowing the estimates of species migration rates. *Frontiers of Biogeography* 5(3): 171-172
- 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.
- 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.

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.

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.

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.

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

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.

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.

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

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.

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.

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.

Blois, J.L. and E.A. Hadly (2009). Mammalian response to Cenozoic climatic change. *Annual Review of Earth and Planetary Sciences* 37: 181-208.

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.

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.

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

Thomer, A., Williams, J.W., Goring, S. and **Blois, J.L.** (2025). The Valuable, Vulnerable, Long Tail of Earth Science Databases. *EOS* 106.

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

2024-28 NSF-EAR (Geoinformatics). Collaborative Research: Sustained Resources: Neotoma: Advancing Earth Science Contributions to Global Change Research via Growth of Well-Curated Open Paleodata. PI, \$132,400 to JL Blois

2022-27 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

2025-26 NSF-HSI (ETSE). Diversifying the environmental workforce via department-level transformation and authentic research experiences. Lead PI, \$1,000,000 to JL Blois. *Note: This award continues at UC Merced, through 2029. JLB left the grant as PI in June 2026 to move to UCLA.*

2023-26 CA Wildlife Conservation Board. The Merced Vernal Pools and Grassland Reserve Field Education Center. Lead PI, \$920,000 to JL Blois

2022-26 NSF-HRD. Collaborative Research: ADVANCE Partnership: Empowering scientists to transform workplace climate through the ADVANCEGeo community-based intervention program. PI (2022-2024), co-PI (2024 onwards), \$135,193 to JL Blois

2022-26 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

2022-26 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.

2018-26 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

2023-25 NPS. Inventory of small mammals to inform meadow restoration impacts on great gray owl prey. Lead PI, \$66,251 to JL Blois

2020-24 NSF-EAR (Geoinformatics). Collaborative Research: Neotoma Paleoecology 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. Lead PI, \$10,787 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)
- 2016–19 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 Paleoecology Database, Community-led Cyberinfrastructure for Global Change Research, with members of the Neotoma Database. PI, \$89,166 to JL Blois
- 2016–17 UC Merced Faculty Research Grant: The relationship among climate, traits, and genetic diversity in a generalist species: identifying early indicators of vulnerability. Lead PI, \$5,000
- 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. Lead PI, \$4,757
- 2013–17 NSF-OCE. Dimensions of Biodiversity: Do Parallel Patterns Arise from Parallel Processes? Senior Personnel, \$101,764 to JL Blois

FELLOWSHIPS AND AWARDS

- 2023 UC Merced School of Natural Sciences Faculty Award: Supporting Shared Research Infrastructure
- 2019 The 2017 E4 Award (The Ecography Award for Excellence in Ecology and Evolution) for the publication Rapacciuolo 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, 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)

- 2025 University of California, Los Angeles, Department of Ecology and Evolutionary Biology. Integrating data, patterns, and processes across space and time to understand biodiversity responses to climate change.
- 2023 University of California, Riverside, Department of Earth and Planetary Sciences. From the Pleistocene to the Anthropocene: biodiversity in changing environments.
- 2023 University of Kentucky, Department of Biology. From the Pleistocene to the Anthropocene: biodiversity in changing environments.
- 2023 University of Chicago, Department of Geophysical Sciences. From the Pleistocene to the Anthropocene: biodiversity in changing environments.
- 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.
- 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 only listed talks or poster for which I am the lead author/presenter).

- 2026 **Blois, J.L.** et al. Temporal uncertainty can mischaracterize ecological niches during periods of climatic instability. Talk, The International Biogeography Society

- 2025 **Blois, J.L.** et al. Community-Driven Efforts to Advance Vertebrate Paleoecological Data Curation, Standards, and Governance in the Neotoma Paleoecology Database. Poster, American Geophysical Union
- 2024 **Blois, J.L.** et al. Advancing Ethical Open Science Practices in Paleoecology and Zooarcheology. Talk, Geological Society of America
- 2024 **Blois, J.L.** et al. Digging Deeper: Collaborative Efforts to Promote Equity in Field-Based Sciences. Lightning talk, UC Field Safety Leadership Retreat
- 2023 **Blois, J.L.** et al. Neotoma Paleoecology Database: Collaboration to accelerate support for science and education. Poster, American Geophysical Union
- 2023 **Blois, J.L.**, Hoffman, N. et al. Enabling ethical and reciprocal open science in the data ecosystem of the Quaternary research community: lessons learned and next steps. Poster, American Geophysical Union
- 2023 **Blois, J.L.** et al. Expanding capacity and support for Quaternary vertebrate data curation and analyses. Poster, International Quaternary Association, Rome, Italy.
- 2019 **Blois, J.L.** et al. Cross-trophic assemblage dynamics at the Rancho La Brea Tar Pits. Poster, International Quaternary Association, Dublin, Ireland.
- 2019 **Blois, J.L.** The influence of cross-trophic associations on community structure at the end of the Quaternary. Talk, International Quaternary Association, Dublin, Ireland.
- 2016 **Blois, J.L.** et al. Assessing cross-contamination in ancient DNA from temperate cave deposits. Poster, Annual Society of Vertebrate Paleontology Meeting, Salt Lake City, UT.
- 2015 **Blois, J.L.** and S.T. Jackson. Biodiversity across Varying Environments: Accumulation, Loss, or Stasis. Poster and Flash Talk, International Biogeography Society Biennial Meeting, Bayreuth, Germany.
- 2013 **Blois, J.L.** et al. 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, J.L.** et al. 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, J.L.** et al. 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)

- 2020-25 Co-Instructor of Record for Organismal Biology (BIO 012, previously BIO 001)
- Spring 2025: 6.1 and 6.3 overall (two different sections)
 - Spring 2024: 6.2 and 6.3 overall (two different sections)
 - Spring 2021: 6.4 overall (offered as BIO 001, Fundamentals of Biology, virtual)
 - Fall 2020: 6.1 and 6.5 overall (two different sections, offered as BIO 001, Fundamentals of Biology, virtual)
- 2023 Instructor of Record for Ecology in the Field and Lab (BIO/ESS 148F)
- Spring 2023: 6.3 overall
- 2019-23 Instructor of Record for Advanced Topics in Ecology and Evolution (QSB 248 / ES 248)
- Fall 2023: 6.7 overall
 - Fall 2019: 5.4 overall
- 2013-24 Instructor of Record for Paleoecology (ESS 129 / BIO 129 / ES 229)
- Fall 2024: 6.8 overall
 - Fall 2022: 6.7 overall

- Spring 2021: 6.8 overall; transitioned class to online
 - Fall 2018: 6.8 overall
 - Fall 2016: 6.7 overall
 - Spring 2015: 6.8 overall
 - Spring 2013: 6.7 overall
- 2014-22 Instructor of Record for Community Ecology (ES/QSB 246)
- Spring 2022: 6.8 overall
 - Spring 2018: 6.9 overall
 - Fall 2015: 6.7 and 6.8 overall (two different sections, one per grad group)
 - Fall 2014: 6.9 and 7 overall (two different sections, one per grad group)
- 2020 Co-Instructor of Record for Anti-Racism in Environmental Systems seminar (ES 292)
- Fall 2020: 6.6 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 2017: 6.5 overall
 - Spring 2016: 5.8 overall
 - Spring 2014: 6.3 overall
- 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

- 2023-26 Faculty mentor, UC Merced Natural Reserve System ¿field curious? program
- 2014-24 Participant, UC Merced Fiat Lux Scholars Program Faculty Receptions
- 2024 HEALing the Sciences, UW Madison Center for the Humanities
- 2021 Participated in UC Central Valley URGE (Unlearning Racism in the Geosciences) pod
- 2021 Presenter, Summer Bridge Session - Diversity in Academia
- 2019 Mentor, SCICON/ Circle J Norris Ranch/ UC Merced Field Station Summer Internship
- 2018-21 Co-chair, Chancellor's Advisory Committee on the Status of Women
- 2020-21 Chair, *Ad hoc* Environmental Systems (ES) DEI committee
- 2020 Co-led development of new seminar within ES grad group (Anti-racism in Environmental Systems)
- 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

- 2023-25 Facilitator (2023-24) and Instructor (2025), Bobcat STEM summer session for high schoolers: *Data Science for Nature and Conservation*
- 2023-24 Judge, Tulare County Office of Education STEAM Fair
- 2022-23 Participant, SCICON BBQ & Wildflower festival, on behalf of the UC Merced Natural Reserve System
- 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 pomo*

UNIVERSITY SERVICE

UC Merced Service:

DEPARTMENT OF LIFE AND ENVIRONMENTAL SCIENCES

- Ongoing Chair or Member, various LES personnel committees
- Ongoing Faculty mentor to 2 faculty
- 2021-23 Chair, LES *Ad Hoc* Curriculum Committee
- 2021 Search committee member, Spousal Hire Targeted Search Committee
- 2018-21 Organizer, LES Spooky Science Event
- 2019-20 Search committee member, Earth Surface Processes and PPFP 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

2023-24 Reviewer, Graduate Division Fellowships on behalf of Environmental Systems
 2023-24 Member, Quantitative & Systems Biology Admissions Committee
 2021-23 Member, Quantitative & Systems Biology Executive Committee
 2021-23 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

OTHER UC MERCED SERVICE

2021-25 Member (2021-2024), Chair (2024-25), Library and Scholarly Communication Senate Committee
 2021-23 Reviewer, Yosemite Leadership Program Capstone Pitch Review
 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
 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

UC MERCED AND UC NATURAL RESERVE SYSTEM SERVICE

As the Faculty Director, I oversaw activities at four natural reserves and field stations (two that are part of the UC NRS and two that are UC Merced sites). There were [four permanent staff members](#) in the unit, though across my service, staffing levels were 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 supervised one employee (the NRS Associate Director), though at various points I supervised every individual staff member due to vacancies.

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

2022-25 Elected Member, UC NRS Executive Committee of the University-wide Advisory Committee
 2018-25 UC Merced Representative, UC Natural Reserve System University-wide Advisory Committee
 2021-25 Member, Chancellor's Advisory Committee on Land Use
 2022-25 *Ex officio* member, SCICON Field Station Advisory Committee
 2021-25 *Ex officio* member, YSFS Advisory Committee
 2018-25 *Ex officio* member, MVPGR Advisory Committee
 2018-25 *Ad hoc* member, UCM-NPS Partnership Steering Committee
 2021-22 Member, Grazing Relicense Evaluation Committee

- 2021 Member, UC NRS Executive 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 SYSTEMWIDE SERVICE

- 2021-25 Chair (24-25) and Member (21-24), UCOLASC
- 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

- 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 (ranging from 3 - 12 reviews per year since 2015)
- 2018-24 Member, Data Management Committee, Australian Research Council Centre of Excellence for Australian Biodiversity and Heritage (CABAH)
- 2017-24 Member, Centre Advisory Committee, Australian Research Council Centre of Excellence for Australian Biodiversity and Heritage (CABAH)
- 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 23-26th, 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

*grad group or other university indicated in ()

Postdoctoral Scholars

Completed:

Val Syverson (2022 - 2025)

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

Giovanni Rapacciuolo (2017); currently Founder and CEO, Elimia

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

Kaitlin Maguire (2014-2015); currently Principal Research Development Strategist, Boise State University

Doctoral student advisees

Active:

UC Los Angeles

Completed:

UC Merced

Reina Warnert (QSB, 2021 - 2026); currently a postdoctoral scholar at CSU San Luis Obispo

Laura Van Vranken (QSB, 2019 - 2024); secured permanent position at Sequoia-Kings Canyon National Park; now at CDFW.

Robert Boria (QSB, 2015 - 2021); currently Assistant Professor San Francisco State University

Kinsey Brock (QSB, 2019 - 2021); currently Assistant Professor San Diego State University

Danaan DeNeve Weeks (QSB, 2014 - 2020); currently Instructor, College of Western Idaho

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

J. Eric Williams (ES, 2013 - 2019); currently faculty at Fayetteville Technical Community College

Masters student advisees

Completed:

UC Merced

Valor Smallwood (QSB, 2023 - 2026)

Corey Shaver (ES, 2020 - 2022)

Graduate student committee memberships

Active:

UC Los Angeles

Jonah Alderson (EEB, 2026 - present); Koby Boslough (EEB, 2026 - present)

UC Merced

HyeJoo Ro (QSB Ph.D., 2022 - present); Luca Kuziel (QSB Ph.D., 2024-present); Anna de Almeida (QSB Ph.D., 2024 - present)

Other institutions:

Max Pearson (UCSC, Ph.D., 2024-present)

*Completed:***UC Merced**

Christopher Bivins (QSB Ph.D., 2022 - 2026); Mara Schwiesow (QSB Ph.D., 2024 - 2026 (switched institutions in 2026)); Irina Birskis Barrios (QSB Ph.D., 2020 - 2024); Ronald Hall (QSB Ph.D., Chair, 2020 - 2024); Gabriele Larocca Conte (ES Ph.D., Chair, 2020 - 2024); Tara Harmon (ES Ph.D., Chair, 2023 - 2024); Julia Schap (Georgia Tech, Ph.D., 2023 - 2024); Taran Rallings (QSB Ph.D., Chair, 2018 - 2022); 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)

2024	Participant, Randall Preserve Conservation Paleobiology Working Group
2022	Organizing Committee, IMEMEB Workshop: Integrating macro-ecology & macro-evolution for biodiversity assessment
2021	Participant, Paleonovelty Working Group
2019-21	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; Geological Society of America; International Biogeography Society; Phi Beta Kappa National Honor Society; Sigma Xi; Society for the Study of Evolution; Society of Vertebrate Paleontologists