

Samantha S.B. Hopkins
Department of Earth Sciences
1272 University of Oregon
Eugene, OR 97403-1293
email: shopkins@uoregon.edu

PROFESSIONAL EXPERIENCE

Professor, University of Oregon Department of Earth Sciences, College of Arts and Sciences, 2020-present.

Faculty in Residence, University of Oregon Clark Honors College, 2020-present.

Associate Dean for Faculty, University of Oregon Clark Honors College, 2017-2019.

Associate Professor of Earth Sciences, University of Oregon Clark Honors College, 2014-2020.

Curator, University of Oregon Museum of Natural and Cultural History, 2008-present.

Assistant Professor of Geology, University of Oregon Clark Honors College, 2007-2014.

Postdoctoral Fellow, National Evolutionary Synthesis Center, 2006-2007.

Temporary Faculty, Sonoma State University Department of Geology, 2006.

Graduate Student Instructor/Researcher, University of California, Berkeley Department of Integrative Biology, 1999-2005.

Undergraduate Research Assistant, University of Tennessee, Knoxville Division of Biology and Department of Geology, 1996-1999.

EDUCATION

Ph.D. **University of California, Berkeley**. Integrative Biology, 2005. *Evolution and paleoecology of aplodontoid rodents*. Anthony Barnosky (chair),

B.S., Summa cum Laude **University of Tennessee, Knoxville**. Biology and Geology, 1999.

PUBLICATIONS

PEER-REVIEWED PAPERS:

* co-first authors. ¹ undergraduate student author. ² graduate student author

Hopkins, S.S.B., S.A. Price, and A.J. Chiono². 2021. Influence of phylogeny on the estimation of diet from dental morphology in the Carnivora. *Paleobiology*. 1-16.
doi:10.1017/pab.2021.37

Wyatt, M. ¹, **S.S.B. Hopkins**, and E.B. Davis. 2021. Using 2D dental geometric morphometrics to identify modern *Perognathus* and *Chaetodipus* specimens (Rodentia, Heteromyidae). *Journal of Mammalogy*.102(4):1087-1100.

Barrett, P. ², **S.S.B. Hopkins**, and S.A. Price. 2021. How many sabertooths? Reevaluating the number of carnivoran sabretooth lineages with total-evidence Bayesian techniques and a

- novel origin of the Miocene Nimravidae. *Journal of Vertebrate Paleontology*. DOI: 10.1080/02724634.2021.1923523
- Reuter, D.M. ², **S.S.B. Hopkins**, and E.B. Davis. 2021. Carnivoran intraspecific tooth-size variation shows heterogeneity along the tooth row and among species. *Journal of Mammalogy*. 102(1):236-249. DOI:10.1093/jmammal/gyaa15
- Tate-Jones, M.K. ², C. M. Peredo, C. D. Marshall and **S.S.B. Hopkins** 2020. The Dawn of Desmatophocidae: A New Species of Basal Desmatophocid Seal (Mammalia, Carnivora) from the Miocene of Oregon, U.S.A., *Journal of Vertebrate Paleontology*, 40:4, DOI: 10.1080/02724634.2020.1789867
- Miller, S. A. ², P.Z. Barrett², W.N.F. McLaughlin, and **S.S.B. Hopkins**. 2020. Endemism and migration in the Kochkor Basin? Identification and description of *Adcrocuta eximia* (Mammalia: Carnivora: Hyaenidae) and c.f. *Paramachaerodus* (Mammalia: Carnivora: Felidae) fossils at the Miocene locality of Ortok, Kyrgyzstan. *Palaeontologia Electronica*, 23(3):a45. DOI:10.26879/1033
- Barrett, P.Z. ², L. Finkelman, G. Perdue, W.N.F. McLaughlin, D.M. Reuter² & **S.S.B. Hopkins** 2019. Small carnivoran fauna of the Mascall Formation, Crooked River Basin, central Oregon, *Journal of Vertebrate Paleontology*, 39:5, DOI: 10.1080/02724634.2019.1717506
- Hopkins, S.S.B.** 2019. Phylogeny and systematics of the Aplodontiinae (Mammalia: Rodentia: Aplodontiidae) with the description of several new species. *Journal of Vertebrate Paleontology* p.1-19. DOI: 10.1080/02724634.2019.1668401
- Robson, S.V. ¹, N.A. Famoso², E.B. Davis, and **S.S.B. Hopkins**. 2019. First Mesonychid from the Clarno Formation (Eocene) of Oregon. *Paleontologia Electronica*. 22.2.35A 1-19. DOI: 10.26879/856palaeo-electronica.org/content/2019/2585-first-mesonychid-from-oregon
- Retallack, G.J., Theodor, J.M., Davis, E.B., **Hopkins, S.S.B.**, and P. Barrett². 2018. First dinosaur from Oregon, USA. *Journal of Vertebrate Paleontology*. DOI: 10.1080/02724634.2018.1486847.
- Famoso, N.A. ², **S.S.B. Hopkins**, and E.B. Davis. 2018. How do diet and body mass drive reproductive strategies in mammals? *Biological Journal of the Linnean Society* 124(2): 151-156.
- Jacisin, J.J. III² and **S.S.B. Hopkins**. 2018. A redescription and phylogenetic analysis of the fossil newts *Taricha oligocenica* Van Frank, 1955 and *Taricha lindoei* Naylor, 1979 (Amphibia, Salamandridae) from the Oligocene of Oregon. *Journal of Paleontology*. 1-21. DOI:10.1017/jpa.2017.85.
- Badgley, C., T.M. Smiley, E.B. Davis, L.R.G. DeSantis, D.L. Fox, **S.S.B. Hopkins**, T. Jezkova, M.D. Matocq, N. Matzke, J.L. McGuire, A. Mulch, B.R. Riddle, V.L. Roth, J.X. Samuels, C.A.E. Strömberg, R. Terry, B.J. Yanites. 2017. Biodiversity and Topographic Complexity: Modern and Geohistorical Perspectives. *Trends in Ecology and Evolution* 32(3):211-226. DOI: 10.1016/j.tree.2016.12.010.
- Levering, D. ², **S.S.B. Hopkins**, and E.B. Davis. 2017. Decreasing Limb Inertia Among North American Ungulates across the Oligo-Miocene Boundary. *Palaeogeography, Palaeoclimatology, Palaeoecology* 466: 279-286.

- Samuels, J.X and **S.S.B. Hopkins**. 2017. The impacts of Cenozoic climate and habitat changes on small mammal diversity of North America. *Global and Planetary Change* 149:36-52. DOI: 10.1016/j.gloplacha.2016.12.014
- Orcutt, J.D. ² and **S.S.B. Hopkins**. 2016. Latitudinal body mass trends in Oligo-Miocene mammals. *Paleobiology* 42(4):643-658.
- McLaughlin, W.N.F. ², **S.S.B. Hopkins**, and M.D. Schmitz. 2016. A new Late Hemingfordian vertebrate fauna from Hawk Rim, Oregon, with implications for biostratigraphy and geochronology. *Journal of Vertebrate Paleontology* 36(5): e1201095.
- Emery, M. M. ², E.B. Davis, and **S.S.B. Hopkins**. 2016. Reassessment of the agriochoerid oreodont from the Hancock Mammal Quarry, Clarno (Eocene: Duchesnean), Oregon. *Journal of Vertebrate Paleontology* 36(2): e1041970.
- Famoso, N.A. ², E.B. Davis, R.S. Feranec, **S.S.B. Hopkins**, and S.A. Price. 2016. Are hypsodonty and occlusal enamel complexity evolutionarily correlated in ungulates? *Journal of Mammalian Evolution* 23(1): 43-47.
- Stilson, K.¹, S.S.B. Hopkins, and E.B. Davis. 2016. Osteopathology in Rhinocerotidae from 50 Million Years to the Present. *PLoS One*. 11(2): e0146221. doi:10.1371/journal.pone.0146221
- Price, S.A. and **S.S.B. Hopkins**. 2015. The macroevolutionary relationship between diet and body mass across mammals. *Biological Journal of the Linnean Society*. 115(1): 173–184.
- Famoso, N. ² and **S.S.B. Hopkins**. 2014. Correction to the holotype (AMNH 9394) of *Merychippus proparvulus* Osborn, 1918. *Journal of Vertebrate Paleontology* 34(5):1249–1250.
- Orcutt, J. ² and **S.S.B. Hopkins**. 2013. Oligo-Miocene climate change and mammal body-size evolution in the northwest United States: a test of Bergmann’s Rule. *Paleobiology* 39(4):648-661.
- Price, S.A.* , **S.S.B. Hopkins***, V.L. Roth, and K.K. Smith. 2012. Tempo of trophic evolution and its impact on mammalian diversification. *Proceedings of the National Academy of Sciences, USA* 109(18): 7008-7012.
- Calede, J. ¹ and **S.S.B. Hopkins**. 2012. New material of *Alphagaulus pristinus* (Mammalia, Rodentia, Mylagaulidae) from the Deep River Formation (Montana, U.S.A.): Implications for ecology, ontogeny, and phylogeny, *Journal of Vertebrate Paleontology*, 32(1):151-165.
- Calede, J. ² and **S.S.B. Hopkins**. 2012. Intraspecific versus interspecific variation in Miocene Great Basin mylagaulids: implications for systematics and evolutionary history. *Zoological Journal of the Linnean Society* 164:427-450.
- Calede, J. ², **S.S.B. Hopkins**, and E.B. Davis. 2011. Turnover in burrowing rodents: the roles of competition and habitat change. *Palaeogeography, Palaeoclimatology, Palaeoecology* 311: 242-255.
- Orcutt, J.D. ² and **S.S.B. Hopkins** 2011. The canid fauna of the Juntura Formation (Late Clarendonian, Oregon). *Journal of Vertebrate Paleontology* 31(3):700-706.

- Hopkins, S.S.B.** and E.B. Davis. 2009. Quantitative morphological proxies for fossorial life habits in small mammals. *Journal of Mammalogy* 90(6):1449-1460.
- Hopkins, S.S.B.** 2008. Phylogeny and evolutionary history of the Aplodontioidea. *Zoological Journal of the Linnean Society* 153: 769–838.
- Hopkins, S.S.B.** 2008. Reassessing the Size of Exceptionally Large Rodents using Toothrow Length and Area as Proxies for Body Mass. *Journal of Mammalogy* 89(1):232-243.
- Hopkins, S.S.B.** 2007. Causes of lineage decline in the Aplodontidae: testing for the influence of physical and biological change. *Palaeogeography, Palaeoclimatology, Palaeoecology* 246: 331-353.
- Barnosky, A.D., F. Bibi¹, **S.S.B. Hopkins**, and R. Nichols. 2007. Biostratigraphy and magnetostratigraphy of the mid-Miocene Railroad Canyon Sequence, Montana and Idaho, and age of the Mid-Tertiary Unconformity west of the Continental Divide. *Journal of Vertebrate Paleontology* 27(1):204-224.
- Hopkins, S.S.B.** 2006. Morphology of the skull in *Meniscomys* from the John Day Formation of central Oregon. *PaleoBios* 26(1):1-9.
- Hopkins, S.S.B.** 2005. The evolution of fossoriality and the adaptive role of horns in the Mylagaulidae (Mammalia: Rodentia). *Proceedings of the Royal Society: Biological Sciences* 272: 1705-1713.
- Hopkins, S.S.B.** 2004. Phylogeny and biogeography of the genus *Ansomys* (Mammalia: Rodentia: Aplodontidae), and description of a new species from the Barstovian (mid-Miocene) of Montana. *Journal of Paleontology* 78(4): 731-740.

PEER-REVIEWED BOOK CHAPTERS

- Hopkins, S.S.B.** 2018. Estimation of body size in fossil mammals. Pp. 7-22 in D.A. Croft, S.W. Simpson, and D.F. Su (eds.), *Methods in Paleoecology: Reconstructing Cenozoic Terrestrial Environments and Ecological Communities*. Springer (Vertebrate Paleobiology and Paleoanthropology Series), Dordrecht.
- Liter, M.¹, D. Prothero, and **S. Hopkins**. 2008. Magnetic stratigraphy of the late Hemingfordian-?Barstovian (lower to middle Miocene) Split Rock Formation, central Wyoming. In *Neogene Mammals, New Mexico Museum of Natural History and Science Bulletin* 44: 25-30.
- Prothero, D., E. B. Davis, and **S.S.B. Hopkins**. 2008. Magnetic stratigraphy of the Massacre Lake beds (late Hemingfordian, early Miocene) and the “Proboscidean Datum” in North America. In *Neogene Mammals, New Mexico Museum of Natural History and Science Bulletin* 44: 239-246.
- Barnosky, A.D. and **S.S.B. Hopkins**. 2004. Identification of miscellaneous mammals from the Pit Locality (Soricidae, Geomyoidea, Leporidae). p. 279-285 in A.D. Barnosky, ed. *Biodiversity Response to Environmental Change in the Middle Pleistocene: The Porcupine Cave Fauna from Colorado*. University of California Press, Berkeley, CA.

PEER-REVIEWED PAPERS IN PROGRESS:

Balk, M.A., J. Deck, K.F. Emery, R.L. Walls, D. Reuter, R. La France, J. Arroyo-Cabrales, P. Barrett, J. Blois, A. Boileau, L. Brenskelle, N.R. Cannarozzi, A. Cruz, L.M. Davanos, M. Hartnak, **S. Hopkins**, B. Kohli¹⁵, J. N. King, M. Koo, M. Lawing, H. Machado, S.S. McCrane, B. McLean, M.E. Morgan¹⁹, S. Pilaar-Birch, D. Reed, E.J. Reitz, N. U. de la Sancha, N. Sewnath, N.S. Upham, A. Villaseñor, L. Yohe, R.P. Guralnick, E.B. Davis. In review. A solution to the challenges of interdisciplinary aggregation and use of specimen-level trait data. *iScience*.

McLaughlin, W.N.F.², C.A. Boatman-Cole¹, E.B. Davis, and **S.S.B. Hopkins**. Accepted. Total dental occlusal area as a feeding constraint feature in modern walruses (*Odobenus rosmarus*), and implications for the evolution of moluscavory in Odobenidae. *Journal of Evolutionary Biology*.

Oberg, D.E. ¹, and **S.S.B. Hopkins**. In revision. Metatheria and Eulipotyphla from the middle Miocene Mascall Formation of central Oregon. *Journal of Vertebrate Paleontology*.

Ghezzi, E., E.B. Davis, **S.S.B. Hopkins**, A. Gioncada, G. Bianucci, and M. Massironi. In review. Hyperspectral comparison applied to fossil spectral signatures. *Paleontologica Electronica*.

Hopkins, S.S.B. and S.A. Price. In prep. Turning the macroevolutionary ratchet: drivers of widespread convergence in the evolution of burrowing mammals. *American Naturalist*.

BOOKS:

S.S.B. Hopkins. Atlas of Mammalian Skeletal Morphology. In prep. Under contract with Taylor and Francis. Manuscript due May 2024.

MEETING ABSTRACTS:

Hopkins, S.S.B. and Caledo, J.J. 2019. Oligo-Miocene Aplodontioid rodents reveal faunal and ecological relationships between central Oregon and western Montana. Society of Vertebrate Paleontology Program and Abstracts 120.

Peng, A.W., Hopkins, S.S.B., and Davis, E.B. 2019. Mammalian morphological disparity in the context of landscape evolution and tectonism in the Miocene of North America. Society of Vertebrate Paleontology Program and Abstracts 168.

Wyatt, M.R, Hopkins, S.S.B., and Davis, E.B. 2019. Using geometric morphometrics to distinguish *Chaetodipus* and *Perognathus* (Rodentia, Heteromyidae). Geological Society of America Annual Meeting Abstracts with Program 118-27.

Thompson, A.E. and Hopkins, S.S.B. 2019. A Lithostratigraphic analysis of the Crooked River Mascall Formation in Central Oregon, USA. Geological Society of America Annual Meeting Abstracts with Program 125-4.

De Bastos Cruz Machado, H., Hopkins, S.S.B., and Emery, M.M. 2019. A complete cranium confirms the presence of *Merychochoerus magnus* in Oregon. Geological Society of America Annual Meeting Abstracts with Program 196-3.

Hopkins, S.S.B., Davis, E.B., Famoso, N.A., and Theodor, J.M. 2018. Applications of unitary associations to the simultaneous analysis of biogeography and biostratigraphy: challenges and opportunities. Society of Vertebrate Paleontology Program and Abstracts 151.

M. R. Wyatt, S. S. B. Hopkins. 2018. New Geomyoidea from the Miocene Cave Basin fauna of Oregon. Society of Vertebrate Paleontology Program and Abstracts 244-245.

L. Finkelman, P. Z. Barrett, G. Perdue, S. S. Hopkins. 2018. Small Mammals of the Crooked River Mascall Formation. Society of Vertebrate Paleontology Program and Abstracts 126.

- D. M. Reuter, S. S. Hopkins, S. A. Price. 2018. What is a mammalian omnivore? Insights into omnivore diet diversity, body mass, and evolution. Society of Vertebrate Paleontology Program and Abstracts 203.
- G. J. Retallack, J. M. Theodor, E. B. Davis, S. S. Hopkins, P. Z. Barrett. 2018. First dinosaur (Ornithopoda) from the Cretaceous of Oregon, U.S.A. Society of Vertebrate Paleontology Program and Abstracts 203.
- P. Barrett, S. S. Hopkins. 2018. What (if anything) is a barbourfelid? Re-evaluating the number of carnivoran sabertooth lineages with total-evidence Bayesian techniques. Society of Vertebrate Paleontology Program and Abstracts 86.
- K. Tate-Jones, S. S. Hopkins, E. B. Davis. 2018. A new Middle Miocene desmatophocid pinniped (Mammalia, Carnivora) from the Oregon coast and its potential for greater resolution of pinniped phylogeny and paleoecology. Society of Vertebrate Paleontology Program and Abstracts 227.
- J. Royer, W. N. McLaughlin, S. S. Hopkins. 2018. A juvenile badger, *Meles leucurus*, from the Pleistocene–Holocene of Kyrgyzstan. Society of Vertebrate Paleontology Program and Abstracts 207.
- Calede, J., and Hopkins, S.S. 2017. X-ray computed microtomography of premolars informs the taxonomy of the Mylagaulidae (Mammalia: Rodentia). Society of Vertebrate Paleontology Program and Abstracts 91.
- Chainey, A.R., McLaughlin, W.N., Davis, E.B., and Hopkins, S.S. 2017. A technical analysis of methods of defleshing small mammal modern comparative specimens. Society of Vertebrate Paleontology Program and Abstracts 95
- Davis, E.B., Hopkins, S.S., Famoso, N.A., Biedron, E.M., Robson, S., Walters, K. 2017. Assessing the paleo-species-area relationship with Neogene fossil mammals from North America. Society of Vertebrate Paleontology Program and Abstracts 102.
- Hopkins, S.S. 2017. Evolutionary history of rare Miocene aplodontiid rodents from Asia and the history of biogeography in the Aplodontiidae. Society of Vertebrate Paleontology Program and Abstracts 132.
- Reuter, D.M., Hopkins, S.S., Famoso, N.A. 2017. Mammalian community structure through time: Oregon Miocene community change in response to spreading grasslands. Society of Vertebrate Paleontology Program and Abstracts 183.
- Robson, S.V., Davis, E.B., Famoso, N.A., Hopkins, S.S. 2017. First mesonychid known from the Clarno Formation (Eocene) of Oregon. Society of Vertebrate Paleontology Program and Abstracts 185.
- Hopkins, S.S.B., McLaughlin, W.N.F., and Famoso, N.A. 2017. Similarities and differences between the John Day and Crooked River basins: Oligocene landscape heterogeneity in terrestrial faunas. Geological Society of America Annual Meeting Abstracts with Programs 221-10.
- Price, S.A. Barrett, P.Z., Perdue, G., and Hopkins, S.S.B. 2017. The tooth of the matter: ecomorphology elucidates complex evolutionary dynamics across fossil and living Carnivora. Geological Society of America Annual Meeting Abstracts with Programs 10-7.
- McLaughlin, W.N.F., Hopkins, S.S.B., and Weldon, R.J. 2017. Geochronological evolution of the Neogene syntectonic sediments from the Kochkor Basin, Kyrgyzstan. Geological Society of America Annual Meeting Abstracts with Programs 16-7.
- Reuter, D.M., Hopkins, S.S.B., Famoso, N.A., and Davis, E.B. 2017. Mammalian community structure through time: Oregon Miocene community change. Geological Society of America Annual Meeting Abstracts with Programs 84-67.
- Calede, J., Famoso, N.A., and Hopkins, S.S.B. 2017. Do changes in the tooth morphology of mylagaulid rodents reflect adaptations to a changing environment? Geological Society of America Annual Meeting Abstracts with Programs 91-10.
- Lenart, M.R., Weldon, R.J., Weldon, E.M., and S.S.B. Hopkins. 2017. Combining mapping and digital elevation data to characterize structure in the upper Crooked River Basin, Oregon. Geological Society of America Annual Meeting Abstracts with Programs 387-17.
- Price, S.A., Perdue, G., Barrett, P.Z., and Hopkins, S.S.B. 2017. The tooth of the matter: ecomorphology elucidates complex evolutionary dynamics across fossil and living Carnivora. Geological Society of America Annual Meeting Abstracts with Programs 10-7.

- Hopkins, S. S., Davis, E. B., Theodor, J. M., Famoso, N. A., McLaughlin, W. N., Reuter, D., Perdue, G., Oberg, D., Biedron, E., Walters, K. 2016. Application of quantitative biostratigraphic methods to the record of terrestrial vertebrates: can we gain new insights? Society of Vertebrate Paleontology Program and Abstracts 157.
- Biedron, E., Hopkins, S. S. 2016. Surprising diversity in a mid-Miocene squirrel assemblage: The Sciuridae (Mammalia:Rodentia) of Cave Basin, Oregon. Society of Vertebrate Paleontology Program and Abstracts 97.
- Chainey, A. R., Davis, E. B., Mclaughlin, W. N., Hopkins, S. S. 2016. Bridging the gap between Asian and European fauna with the gazelles of the Chu Formation in the Kochkor Basin, Kyrgyzstan. Society of Vertebrate Paleontology Program and Abstracts 113.
- Famoso, N. A., Samuels, J. X., Hopkins, S. S., Davis, E. B., Emery, M. 2016. Updated biostratigraphy of the Turtle Cove Member (John Day Formation) in the John Day Basin, Oregon. Society of Vertebrate Paleontology Program and Abstracts 133.
- Flora, H. M., McLaughlin, W. N., Davis, E. B., Hopkins, S. S. 2016. A true leporid from the Tien Shan Mountains of Kyrgyzstan. Society of Vertebrate Paleontology Program and Abstracts 136.
- McLaughlin, W. N., Hopkins, S. S., Davis, E. B. 2016. Taphonomy of newly discovered Neogene mass death assemblages in Kochkor Basin, Kyrgyzstan. Society of Vertebrate Paleontology Program and Abstracts 186-187.
- Oberg, D., Hopkins, S. S. 2016. Reconstructing body mass from marsupial dental dimensions. Society of Vertebrate Paleontology Program and Abstracts 197.
- Orcutt, J. D., Hopkins, S. S., Calede, J. J. 2016. Testing the diagnostic potential of felid postcrania using geometric morphometrics. Society of Vertebrate Paleontology Program and Abstracts 199.
- Perdue, G. V., Hopkins, S. S., Davis, E. B. 2016. Estimating body mass in fossil rodents: can log bias be removed by nonlinear regression? Society of Vertebrate Paleontology Program and Abstracts 204.
- Reuter, D. M., Hopkins, S. S. 2016. Quantifying intraspecific variation across the tooth row in carnivorans (Mammalia, Carnivora). Society of Vertebrate Paleontology Program and Abstracts 212.
- Robson, S. V., McLaughlin, W. N., Hopkins, S. S. 2016. New species of *Hyaenictitherium* recovered from the Late Miocene of Kyrgyzstan. Society of Vertebrate Paleontology Program and Abstracts 214.
- Maverick, A. F.G., Weldon II, R. J., Hopkins, S. S.B., Schmitz, M. D., McLaughlin, W. N.F., Weldon, N. M., and Weldon, E. M. 2016. Mapping and a new date in basalts in the south fork of the Crooked River region of Oregon illuminates the regional relationships between the Mascall Formation and different phases of the Columbia River Basalts. Geological Society of America Annual Meeting Abstracts with Programs 347-28.
- Weldon, N. M., Weldon II, R. J., Mclaughlin, W. N.F., Hopkins, S. S.B., Abdrakhmatov, K., Paulson, K. T. and Burgette, R. J. 2016. Onset of Pleistocene climate generated a pulse of coarse sediment, preserved as the Sharpyldak Formation in the Tien Shan Range of Kyrgyzstan. Geological Society of America Annual Meeting Abstracts with Programs 347-11.
- Hopkins, S.S.B. and S.A. Price. 2016. Burrowing and the evolutionary ratchet among rodents: applications of phylogenetic comparative methods to understanding paleoecological problems. Geological Society of America Annual Meeting Abstracts with Programs 17-7.
- McLaughlin, Win N.F. and S.S.B. Hopkins. 2016. Implementing tree building into large historical geology flipped classes. Geological Society of America Annual Meeting Abstracts with Programs 207-2.
- Hopkins, S.S.B. Weldon II, R.J., Samuels, J.X., Zancanella, J. 2015. The Crooked River project: federal-university collaboration in pursuit of an integrated understanding of paleoecology, tectonic history, and critical paleontological resources. Geological Society of America Annual Meeting Abstracts with Programs 188-2.
- Biedron, E. M., Hopkins, S. S. 2015. Comparison of ungulate and sciurid paleoecology suggests spatial averaging in Oregon localities. Society of Vertebrate Paleontology Program and Abstracts 90.
- Hopkins, S. S., Chiono, A. J., Price, S. A. 2015. Carnassial tooth morphology is structured both by ecology and phylogeny among mammalian carnivores (Mammalia: Carnivora). Society of Vertebrate Paleontology Program and Abstracts 146.
- Oberg, D., Hopkins, S. S., Whistler, D. 2015. New micromammals from the Mascall Formation of Oregon's Middle Miocene. Society of Vertebrate Paleontology Program and Abstracts 189.

- Robson, S., McLaughlin, W., Walsh, T., Hopkins, S. S. 2015. *Ictitherium viverrinum*: first carnivore from the Miocene in Kyrgyzstan. Society of Vertebrate Paleontology Program and Abstracts 203.
- Chiono, A.J., S.S.B. Hopkins, and S.A. Price. 2015. Phylogeny and the inference of diet from carnassial shape across Carnivora. Society of Integrative and Comparative Biology Annual Meeting.
- McLaughlin, W., B. McHorse, E. Davis, and S. Hopkins. 2014. The utility of postcranial bones in distinguishing taxa and sexes in modern Artiodactyla and the implications for placement of Paleomerycidae within Artiodactyla. Society of Vertebrate Paleontology Program and Abstracts 185.
- McHorse, B., E. Davis, and S.S.B. Hopkins. 2014. Ecomorphological variation in camelid postcrania from Juntura (Clarendonian, ~9Ma). Society of Vertebrate Paleontology Program and Abstracts 184.
- Jacisin, J. and S.S.B. Hopkins. 2014. *Taricha* or *Palaeotaricha*? The evolutionary enigma of North American newts. Society of Vertebrate Paleontology Program and Abstracts 153.
- Hopkins, S.S.B. 2014. Fundamental Differences in tectonically-driven diversity dynamics and faunal connectivity between small and large mammal faunas during the North American Miocene. Geological Society of America Annual Meeting Abstracts and Programs 289-6.
- Samuels, J.X. and S.S.B. Hopkins. 2014. The impacts of Cenozoic climate and habitat changes on small mammal diversity of North America. Geological Society of America Annual Meeting Abstracts and Programs 289-4.
- Biedron, E.M. and S.S.B. Hopkins. 2014. Mandible morphology: a poor predictor of habitat use in the Sciuridae (Rodentia). Geological Society of America Annual Meeting Abstracts and Programs 47-3.
- Price, S.A. and S.S.B. Hopkins. 2014. Do fossils and extant phylogenies agree upon patterns of mammalian diversification? Evolution 2014 Annual Meeting.
- Price, S.A. and S.S.B. Hopkins. 2014. Macroevolutionary relationships between size and diet in mammals. Society of Integrative and Comparative Biology Annual Meeting.
- McLaughlin, W.N.F. and S.S.B. Hopkins. 2013. Quantitative biostratigraphic analysis of Central Asia with implications for the Tien Shan of Kyrgyzstan. American Geophysical Union Annual Meeting
- Hopkins, S.S.B. and S.A. Price. 2013. Phylogenetic constraint of the relationship between dental morphology and diet in extant Carnivora. Geological Society of America Annual Meeting Abstracts and Program. 194-7.
- McLaughlin, W.N.F. and S.S.B. Hopkins. 2013. Quantitative biostratigraphic analysis of Central Asia underscores the region's importance as a biogeographic province. Geological Society of America Annual Meeting Abstracts and Program. 89-9.
- Jacisin, J., Hopkins, S.S.B. 2013. Description, classification, and paleoecology of the Oligocene salamanders of Oregon. Geological Society of America Annual Meeting Abstracts and Program. 127-18.
- Mackenzie, K., Orcutt, J., Hopkins, S.S.B. 2013. The first record of *Osbornodon iamonsis* for Oregon and other canids of the Arikareean, from Coglan Buttes, Oregon. Journal of Vertebrate Paleontology 33(3 Supplement):167.
- Stilson, K., S.S.B Hopkins, and E. Davis. 2013. Using an evolutionary model to investigate the origins of widespread arthritis in Rhinocerotidae (Mammalia, Perissodactyla). Journal of Vertebrate Paleontology 33(3 Supplement):220.
- Olroyd, S. and S.S.B. Hopkins. 2013. Variation through tooth wear obscures the differential diagnoses of the Hemphillian castorids *Dipoides stirtoni* and *Dipoides smithi*. Journal of Vertebrate Paleontology 33(3 Supplement): 186.
- Biedron, E., S.S.B. Hopkins, and W. McLaughlin. 2013. Resolving morphological/molecular conflict in Marmotini (Mammalia, Rodentia, Sciuridae) through diagnostic dental characters. Journal of Vertebrate Paleontology 33(3 Supplement): 87.
- Emery, M., Davis, E., Hopkins, S.S.B. 2013. Character variation in modern camels and sheep highlights problems in the genus-level taxonomy of agriochoerid oreodonts. Journal of Vertebrate Paleontology 33(3 Supplement):122
- Jacisin, J., Hopkins, S.S.B. 2013. Description, classification, and paleoecology of the Oligocene salamander of Oregon. Journal of Vertebrate Paleontology 33(3 Supplement):147.
- McHorse, B., Scott, E., McLaughlin, W., Davis, E., Hopkins, S.S.B. 2013. Identifying isolated postcrania using discriminant Analysis. Journal of Vertebrate Paleontology 33(3 Supplement):175.

- Hopkins, S.S.B. 2013. Differential timing of hypsodonty evolution in large and small mammals indicates complex forcing of crown height evolution. *Journal of Vertebrate Paleontology* 33(3 Supplement): 144.
- Hopkins, S.S.B. 2013. Testing the strength of evolutionary correlations between dental morphology and diet in extant Carnivora. Society for the Study of Evolution Annual Meeting.
- Hopkins, S.S.B., J. Orcutt, and E.B. Davis. 2013. Body size reconstruction in a saber-toothed cat from the Late Miocene of North America. Society of Integrative and Comparative Biology Annual Meeting Abstract Book:164.
- McHorse, B.K., S.S.B. Hopkins, and E.B. Davis. 2013. Functional morphology in modern horses: natural vs. artificial selection. Society of Integrative and Comparative Biology Annual Meeting Abstract Book:244.
- Hopkins, S.S.B., K. Maguire, and W. McLaughlin. 2012. Faunal heterogeneity in Barstovian mammals of the Northwest: what does faunal diversity tell us about tectonics and habitat diversity? *Journal of Vertebrate Paleontology* 32(3 Supplement):113.
- MacKenzie, K., D. Whistler, and S.S.B. Hopkins. 2012. The geology and paleontology of Coglan Buttes, Oregon: The first discovered Arikareean vertebrate fossil locality in the Northwestern Great Basin. *Journal of Vertebrate Paleontology* 32(3 Supplement):132.
- McHorse, B., E. Davis, and S.S.B. Hopkins. 2012. Functional morphology in modern horses: natural vs. artificial selection. *Journal of Vertebrate Paleontology* 32(3 Supplement):139.
- McLaughlin, W. and S.S.B. Hopkins. 2012. Reconciling faunal and floral climatic interpretations across the early Barstovian of the Northwest U.S.A. *Journal of Vertebrate Paleontology* 32(3 Supplement):139.
- Orcutt, J., E. Davis, and S.S.B. Hopkins. 2012. Giant felid postcrania and the early evolution of North American cats. *Journal of Vertebrate Paleontology* 32(3 Supplement):152.
- Price, S., S.S.B. Hopkins, and C. Botero. 2012. Understanding mammalian dietary evolution using a phylogenetic and comparative approach. *Journal of Vertebrate Paleontology* 32(3 Supplement):158.
- Stilson, K. S.S.B. Hopkins, and E. Davis. 2012. The evolution of rhino arthritis in the Cenozoic. *Journal of Vertebrate Paleontology* 32(3 Supplement):179.
- Stilson, K.T., S.S.B. Hopkins, and E. Davis. 2012. The evolution of rhino arthritis in the Cenozoic. Paleopathology Association 39th Annual Meeting Program and Abstracts: 22-23.
- Hopkins, S.S.B. 2011. Role of volcanic activity in the evolution of hypselodonty in aplodontid rodents. *Journal of Vertebrate Paleontology* 31(3 Supplement): 128.
- Stilson, K., S.S.B. Hopkins, and E. Davis. 2011. Detecting and accounting for depositional bias in the Late Miocene McKay Reservoir fauna. *Journal of Vertebrate Paleontology* 31(3 Supplement):200.
- McHorse, B. S.S.B. Hopkins, and E. Davis. 2011. Taxonomy, paleoecology, and functional morphology of Miocene camelids in the Juntura Formation. *Journal of Vertebrate Paleontology* 31(3 Supplement):155.
- Levering, D., S.S.B. Hopkins, and E. Davis. 2011. Decreasing limb inertia among North American ungulates across the Paleogene-Neogene boundary. *Journal of Vertebrate Paleontology* 31(3 Supplement):142-143.
- McLaughlin, W. and S.S.B. Hopkins. 2011. Paleoecology, paleoenvironment, paleontology and paleopedology of Hawk Rim, Central Oregon, USA. *Journal of Vertebrate Paleontology* 31(3 Supplement): 156.
- Hopkins, S.S.B. 2011. Role of volcanic activity in the evolution of ever-growing cheek teeth in aplodontid rodents. Geological Society of America Abstracts with Programs 43(5):160.
- Calede, J., Hopkins, S. 2010. Microwear, diet and fossoriality in Miocene rodents from the Great Basin. *Journal of Vertebrate Paleontology* 30(3 Supplement): 68A.
- Orcutt, J., Hopkins, S. 2010. Body size, climate, and time: A paleontological test of Bergmann's Rule. *Journal of Vertebrate Paleontology* 30(3 Supplement): 142A.
- Hopkins, S., J. Calede, A. Gusey. 2010. Reconstructing habitat diversity from faunas of the Middle and Late Miocene of Eastern Oregon. *Journal of Vertebrate Paleontology* 30(3 Supplement): 107A-108A.
- Orcutt, J. D. and S. Hopkins. 2010. Mammal body size and paleoclimatic change: a new perspective on an old debate. Society for the Study of Evolution Annual Meeting.
- Hopkins, S. and J. Samuels. 2010. Turning the macroevolutionary ratchet: Pattern and process in morphological evolution of burrowing mammals. Society for the Study of Evolution Annual Meeting.

- Samuels, J. and S. Hopkins. 2010. Burrowing rodents of the Cenozoic: repeated convergence and ecological replacement. Society for the Study of Evolution Annual Meeting.
- Price, S.A., S. Hopkins, V.L. Roth, and K.K. Smith. 2010. You are what you eat: diet and body size evolution in mammals. Society for the Study of Evolution Annual Meeting.
- Hopkins, S.S.B. 2009. Science literacy in the teaching of lower division science: re-thinking the content of non-majors' science classes. Geological Society of America Abstracts with Programs 41(7): 157.
- Calede, J. and S.S.B. Hopkins. 2009. Changes in diet through time in the Mesogaulinae (Mammalia: Rodentia: Mylagaulidae) in the context of the spread of grasslands: microwear results using texture analysis at high magnification. Geological Society of America Abstracts with Programs 41(7): 391.
- Hopkins, S.S.B. 2008. Is there a scale mismatch between changing diet and changing dental morphology? Journal of Vertebrate Paleontology 28(3 Supplement): 93A.
- Levering, D. and S.S.B. Hopkins. 2008. Locomotor ecology and community structure of predator/prey relations in Oligocene and Recent large mammals. Journal of Vertebrate Paleontology 28(3 Supplement): 105A.
- Calede, J. and S.S.B. Hopkins. 2008. Skeletal morphology and ontogeny of *Alphagaulus pristinus* (Mammalia: Rodentia: Mylagaulidae), an early burrower from the Barstovian. Journal of Vertebrate Paleontology 28(3 Supplement): 59A.
- Hopkins, S.S.B. 2007. Influence of habitat and soil type on the evolution of burrowing in mammals. Geological Society of America Abstracts with Programs 39(6): 23.
- Hopkins, S.S.B. 2007. Evolution of burrowing in small mammals and the importance of fossil data in character reconstruction. Journal of Vertebrate Paleontology 27(3 Supplement): 91A.
- Hopkins, S.S.B. 2007. Evolution of fossoriality in mammals: does burrowing behavior drive an evolutionary ratchet? Integrative and Comparative Biology 46(Supplement 1): e207.
- Davis, E.B., Prothero, D., and Hopkins, S.S.B. 2006. Reexamination of the North American Proboscidean Datum using faunal similarity analysis. Journal of Vertebrate Paleontology 26(3 Supplement): 54A.
- Hopkins, S.S.B. 2006. Comparison of quantitative and qualitative proxies for fossoriality (digging) from the skeletal morphology of mammals. Journal of Vertebrate Paleontology 26(3 Supplement): 78A.
- Hopkins, S.S.B. 2005. Body mass estimation of rodents: Was there a rodent as big as a buffalo? Geological Society of America Abstracts with Programs 37(7): 87.
- Hopkins, S.S.B. 2005. Why are there so few kinds of aplodontids? The relative roles of climate, vegetation and competition in the decline of a lineage. Journal of Vertebrate Paleontology 25(3 Supplement): 72A.
- Hopkins, S.S.B. 2004. Testing adaptive hypotheses for hypsodonty in small mammals using phylogenetic and paleoecological data. Geological Society of America Abstracts with Programs 36(5): 20.
- Tseng, J. and S.S.B. Hopkins. 2004. Reciprocal illumination between quantitative and qualitative characters in understanding the systematics of fossil pocket mice. Geological Society of America Abstracts with Programs 36(5): 423.
- Hopkins, S.S.B. 2004. The mechanics and evolution of fossoriality in mylagaulid rodents: functional and ecological diversity in a clade of fossorial mammals. Journal of Vertebrate Paleontology 24(3 Supplement): 72A.
- Hopkins, S.S.B. 2004. Phylogenetic systematics of aplodontoid rodents. Paleobios 24 (1 Supplement):4.
- Hopkins, S.S.B. 2003. Hypsodonty and niche partitioning in aplodontoid rodents: do small herbivores parallel ungulates during Miocene diversifications? Journal of Vertebrate Paleontology 23(3 Supplement):62A-63A.
- Hopkins, S.S.B. 2003. Parallel adaptive radiations in four lineages of aplodontoid rodents: a case study in the evolution of hypsodonty. Geological Society of America Abstracts with Programs 34(7):418.
- Liter, M., D. Prothero, and S. Hopkins. 2003. Magnetic stratigraphy of the middle Hemingfordian (Lower Miocene) Split Rock Formation, Central Wyoming. Geological Society of America Abstracts with Programs 34(7):428.
- Hopkins, S.S.B. 2002. Dynamics of mammalian community structure and taxonomic richness through a major climatic warming event inferred from the fauna of the Miocene Cabbage Patch Formation, Montana. Journal of Vertebrate Paleontology 22(3 Supplement): 67A.

Hopkins, S.S.B. 2002. Influence of collection methods on assessments of paleocommunity ecology: a case study from the early Miocene of Wyoming. *Geological Society of America Abstracts with Programs* 34(6): 35.

Hopkins, S.S.B. 2001. Phylogeny of the Aplodontidae (Mammalia:Rodentia) and some implications for Oligo-Miocene Biogeography. *PaleoBios* 21(2 supplement): 67.

Hopkins, S.S.B. 2001. Preliminary phylogenetic analysis of aplodontid rodents reveals history of repeated holarctic immigrations. *Journal of Vertebrate Paleontology* 21(3 Supplement): 63A.

GRANTS, FELLOWSHIPS AND AWARDS

- Bureau of Land Management Award “Conserving Oregon’s Fossil Heritage through Fossil Preparation” (co-PI with Edward Davis, for hiring a preparator to clean fossils collected from BLM land in Oregon); \$174,000 awarded to date.
- American Association of Universities STEM Mini-Grant (co-PI with Elly Vandegrift, Ron Bramhall, and Patrick Phillips) of \$20,000 awarded 2019.
- UO Center for Undergraduate Research and Engagement Faculty Research Mentor Award (2018)
- Williams Fellowship, University of Oregon (2017)
- Bureau of Land Management Award (co-PI with Edward Davis, for PFYC of Oregon) of \$65,000 awarded 2016.
- National Science Foundation Award #DEB-1256897, Division of Environmental Biology (Lead PI with co-PI Samantha Price; title: Integrating Fossil and Modern Evidence to Determine the Role of Diet in Mammalian Diversification) of \$389,667 (\$275,326 to UO) awarded 2013.
- Evolving Earth Grant (Lead PI with co-PI Win McLaughlin, Paleontological exploration of the fauna and flora of Hawk Rim, OR.) of \$2617.24 awarded 2012.
- National Evolutionary Synthesis Center, Short Term Visitor award (topic: Evolution of Mammalian Diets) awarded 2010.
- Lorrey Lokey Award (topic: Evolution of Scientific Rhetoric), Co-PI with Louise Bishop and Dan Rosenberg, \$24,000 awarded 2008
- Postdoctoral Fellowship, National Evolutionary Synthesis Center, Awarded 2006
- Outstanding Graduate Student Instructor, Awarded Spring 2005
- National Science Foundation Doctoral Dissertation Improvement Grant, Awarded June 2004
- Sigma Xi Berkeley Chapter Research Grant, Awarded April 2004
- Sigma Xi Grant-in-Aid of Research, Awarded December 2003
- Dept. of Integrative Biology Summer Research Grants, Awarded May 2001, 2002, 2003
- National Science Foundation Graduate Research Fellowship 1999-2003.
- Barry Goldwater Scholarship 1998-1999.
- Howard Hughes Medical Institute Threshold Scholarship 1995-1999.
- Phi Beta Kappa, initiated as a junior, 1997-present.
- Tennessee Scholar, University of Tennessee, Knoxville, 1994-1999.

TEACHING

Courses:

- Vertebrate Paleontology (Geology 434/534, University of Oregon)
- Paleocology and Functional Morphology (Geology 410/510, University of Oregon)
- Principles of Paleontology (Geology 410, University of Oregon)
- Invertebrate Paleontology (Geology 431, University of Oregon)
- Field Geology (Geology 406/606, University of Oregon)
- Scientific Revolutions (Geology/Physics 156M, UO Science Literacy Program)
- Introduction to the Liberal Arts (HC 101H, University of Oregon)
 - Evolution in Science and Society
- Thesis Prospectus (HC 477, University of Oregon)
- Thesis Orientation (HC 408, University of Oregon)
- Honors College Science (HC 207H/209H, University of Oregon)
 - The Age of Mammals
 - Paleobiology
 - Evolution
 - Climate Change
 - Oregon Paleontology
- Honors College Science Colloquium (HC 441, University of Oregon)
 - Scientific Revolutions
 - Principles of Biodiversity
 - Biology and Geology of the Tibetan Plateau
 - Geology in the Field
- Paleontology (Geology 413, Sonoma State University)
- The Age of Dinosaurs (Geology 105, Sonoma State University)

Advising:

- Graduate students
 - Primary advisor
 - John Orcutt, Ph.D. 2011. *Bergmann's Rule and the evolution of Mammalian Body Size*. 2007-2011. Now a tenure-track professor at Gonzaga U.
 - Jonathan Calede, M.S. 2010. *Paleocology and competition in fossil burrowing mammals of Oregon*. 2008-2010. Now a tenure-track professor at Ohio State University, Marion.
 - Win McLaughlin, Ph.D. 2018. *Vertebrate Biostratigraphy of Kyrgyzstan's Kochkor Basin*. M.S. 2012 *Geology and Paleontology of Hawk Rim, OR*, Fullbright Scholar, 2015. Now an instructor at Pomona College.
 - Kristen MacKenzie, M.S. 2013. *Paleontology of the Coglan Buttes Fauna*. Now a collections manager at the Denver Museum of Nature and Science.
 - John Jacisin, M.S. 2014. *Rain shadow effects on salamander biogeography in the Early Oligocene of Oregon*. 2012-2014. Ph.D. Texas A&M University 2021.
 - Genevieve Perdue, M.S. 2017. *Effects of body size evolution on caviomorph rodent skull morphology*. Now a fundraiser for the Blue Mountain Land Trust.
 - Dana Reuter, Ph.D. 2021. *Trophic structure evolution in Oligo-Miocene terrestrial communities*.

- Paul Barrett, Ph.D. candidate, 2016-present. *Feliform phylogeny and macroevolution of sabertoothed morphology.*
 - Amanda Peng, Ph.D. candidate, 2018-present. *Mammalian disparity and diversity in light of tectonic evolution.*
 - Committee member
 - Helena de Bastos Cruz Machado, Ph.D. candidate, Earth Sciences.
 - Kellum Tate-Jones, Ph.D. candidate, Earth Sciences.
 - Holley Flora, M.S. 2019, Earth Sciences. Now Asst. Collections Manager at Oklahoma State University Museum.
 - Leonard Finkelman, M.S. 2019, Earth Sciences. Now a H.S. teacher in Washington, D.C.
 - Meaghan Emery, Ph.D. 2016. Now Assistant Professor at University of Arizona, Data Science.
 - Nick Famoso, Ph.D. 2017, now head paleontologist at John Day Fossil Beds National Monument.
 - Ashley Daigle, M.S. Geology 2010.
 - J.R. Giska, M.S. Geology 2010.
 - Kathryn Paulson, M.S. Geology, 2013.
 - Christina Ellison, Ph.D. candidate, Marine Biology
 - Andrea Eller, Ph.D. candidate, Anthropology
 - Nicole Nakata, Ph.D. candidate, Marine Biology
 - Sophie Miller, Ph.D. candidate, Anthropology
 - Monya Anderson, Ph.D. 2019, Anthropology
 - Evan Simons, Ph.D. 2019, Anthropology
 - Emily Henderson, Ph.D. 2011, Anthropology.
 - Advisory committees
 - Kate Scholz, Ph.D. student.
 - Jill Marshall, Ph.D. student.
 - Alex Handwerker, M.S. student.
 - Ben Heath, Ph.D. student.
 - Ashleigh Boyd, Ph.D. student.
- Undergraduate and post-baccalaureate students
 - Primary advisor or project supervisor
 - Jack Tseng (completed Ph.D. at U. of Southern Cal., now Assistant Prof. at UC Berkeley)
 - Jonathan Calede (M.S., U of Oregon 2009, Ph.D. at U of Washington 2016, now Assistant Prof. at Ohio State U, Marion)
 - David Levering (M.S. Oklahoma State U. 2010, now education director at Sternberg Museum, Fort Hays, KS)
 - Brianna McHorse (Recipient of a Goldwater Scholarship and an NSF Graduate Research Fellowship, Marshall Scholarship Alternate, Ph.D. Harvard U., 2019)
 - Christine Lowell (M.S., Biology, U. of Oregon 2011, now a high school teacher in Georgia)
 - Winifred Kehl (M.S. U. of Washington 2011, now a museum exhibit design contractor)

- Kelsey Stilson (M.S. 2015, U. Texas, Ph.D. U. Chicago 2021, now postdoc at Brown U.)
- Christina Wilson (M.S. at University of Bristol)
- Spencer Kendall
- Savannah Olroyd (Ph.D. U. of Washington 2022, now a postdoc at Yale U.)
- Marti Maynard (Lab analyst, Amy's Kitchen)
- Eva Biedron (completed M.S. 2017 at Vanderbilt U., now a collections manager at the Museum of Comparative Zoology, Harvard)
- Mathew Beattie
- Danielle Oberg (completed M.S. 2018 at East Tennessee State U., now a Ph.D. candidate at U. of Arkansas)
- Selina Robson (M.S. at U. of Calgary 2018, now a Ph.D. candidate there)
- Sarah Herring
- Dylan Carlini (M.S. U of Arizona 2020)
- Caitlyn Boatman
- Adrienne Chainey
- Megan Wyatt (Ph.D. student at SUNY Stonybrook)
- Shyla Davison (M.S. student at Fort Hayes State U.)
- Erik Larson
- Allie Thompson (M.S. student at Western Washington U.)
- Eleanor Froehlich
- Rachel Lisle
- Sarah Diaz Fregoso
- Thomas Hillard
- Committee Member
 - 104 Clark Honors College theses (15 as primary thesis advisor) through Spring 2021
 - 2 additional geology honors thesis committees

INVITED LECTURES AND WORKING GROUPS

North American Rodent Landscape Evolution and Ecology working group (2013-present)
 University of California, Davis, Department of Geology (2018)
 University of Chicago, Department of Geology (2016)
 University of New Mexico, Department of Biology and Program in Interdisciplinary Biological and Biomedical Sciences (2015)
 Instructor, National Evolutionary Synthesis Center Academy for graduate students: "Phylogeny and paleobiology" (2014)
 Oregon State University, Department of Biology (2014)
 Oregon Museum of Science and Industry Science Pub (2013, 2014)
 National Evolutionary Synthesis Center Catalysis Group, "Integrating approaches to macroevolution: combining fossils and phylogenies" (2013)
 Oregon Institute of Marine Biology (2013)
 National Evolutionary Synthesis Center Catalysis Group, "Integrating historical biogeography and phylogeography with the fossil record and landscape history" (2013)
 University of Oregon Museum of Natural and Cultural History (2012)

National Evolutionary Synthesis Center, Duke University (2010)
Lecturer, Society of Vertebrate Paleontology John Day Basin Field Conference (2010)
University of Oregon Environmental Law Group (2008)
Eugene Natural History Society (2008)
University of California Museum of Paleontology (2007, 2011)
Sonoma State University Department of Biology (2006)
Duke University, Systematics Seminar (2006)

PROFESSIONAL SERVICE

Internal University Service:

UO University Senate, 2020-present.
UO Committee on Courses, 2019-present.
UROP Advisory Committee, 2020-present.
Goldwater Scholarship internal review committee, 2020-present.
Peer Review of Teaching Committee, 2013-2015, Department of Geological Sciences
Learning Management System Review Committee 2014, University-wide
Phi Beta Kappa, Alpha of Oregon, Executive Committee 2014-present, Interim Vice President, 2018-2019
Science Literacy Program Advisory Committee 2014-2019
Financial Aid Appeals Board, 2017-present
Academic Technology Advisory Board, 2019-2020
Promising Scholar Award Committee, UO Graduate School, 2019-2020.
Mentor, UO New Faculty Success Program, 2019-2020.
Panelist, UO New Faculty Success Program, 2021
Search Committee Member, Director of STEM Education Initiatives, 2021.
Member, UO Global STEM Advisory Board 2019-present.
Clark Honors College:
Associate Dean, Clark Honors College, Jan 2017- Dec 2019
Chair, Promotion and Tenure Committee, Kelly Sutherland, 2017
Chair, Promotion and Tenure Committee, Carol Paty, 2017
3rd Year Review Committee, Kelly Sutherland, 2015.
Search Committee Chair, 2014-15, TTF in Evolutionary Sciences.
Search Committee Chair, 2017-18, NTTF in Arts and Letters. 1 hire resulted.
Search Committee Chair, 2019, NTTF in Biology.
Search Committee Chair, 2020, 2 NTTFs in Natural Science. 2 hires resulted.
Search Committee Member 2009-10, History of Science and of the Arts. 3 hires resulted.
Search Committee Member 2011-12, Biophysics or Computational Biology. 1 hire resulted.
Search Committee Member 2012-13, Dean of the Clark Honors College. 1 hire resulted.
Search Committee Member 2017-18, Dean of the Clark Honors College. 1 hire resulted.
CHC College Life Committee Chair, 2014-15
CHC Academic Petitions Committee 2008-11
CHC Curriculum Committee 2011-2014, 2016-present, Chair 2020-present
CHC Executive Committee 2013-2014, 2017-2019

Service to the Scientific Community:

Secretary and member of the Executive Committee, Society of Vertebrate Paleontology 2018-present.
Member, Committee on Diversity in the Geosciences, Geological Society of America, 2010-2013.
Member, Government Affairs Committee, Society of Vertebrate Paleontology, 2014-2018.
Member, Program Committee, Society of Vertebrate Paleontology, 2015-2018.
Session moderator, Society of Vertebrate Paleontology annual meeting, 2003, 2008, 2011, 2012, 2013, 2015, 2016, 2021
Symposium co-convener, Geological Society of America annual meeting 2014, 2016
Session moderator, Geological Society of America annual meeting 2017
President, Oregon Academy of Sciences 2013-2014.
Panel Member 6 panels for National Science Foundation through 2021.
Associate Editor, Journal of Paleontology, 2016-2020.
Associate Editor, Evolution, 2017-2019.
Associate Editor, PLoS One, 2019-present.
Associate Editor, Journal of Mammalian Evolution, 2020-present.

SPECIAL TRAINING

University of Oregon Leadership Academy, 2019-2020.
AGU Workshop on Cultivating Leadership for Change and Justice: Exploring Challenges to Diversifying Faculty, 2020
National Center for Faculty Diversity and Development, Faculty Success Program Fall 2018.
National Academy Mobile Summer Institute on Scientific Teaching, 2016, 2017, 2018.
SERC Workshop on Innovative Approaches to Teaching Sedimentary Geology, Geomorphology, and Paleontology, 2014
SERC Early Career Geoscience Faculty Workshop, 2011

RECENT REFEREE

Nature Ecology and Evolution; Proceedings of the National Academy of Sciences; Proceedings of the Royal Society B, Biological Sciences; Journal of Mammalian Evolution; Biology Letters; Palaeogeography, Palaeoclimatology, Palaeoecology; Paleobiology; PLoS One; Zoological Journal of the Linnean Society; Naturwissenschaften; Biological Journal of the Linnean Society; Journal of Vertebrate Paleontology; Palaeontology; Journal of Paleontology; Annals of Carnegie Museum; Nature Geoscience; PeerJ; National Science Foundation; Lewis and Clark Foundation; Scripta Geologica; BMC Evolutionary Biology; Irish Research Council

PROFESSIONAL SOCIETIES

Geological Society of America
Paleontological Society
Society of Vertebrate Paleontology
American Society of Mammalogists
Society for the Study of Evolution