

ALEXIS M. MYCHAJLIW

Assistant Professor, Middlebury College

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insectivora.org

Genomes, bones, & sediments hold clues to how organisms responded to anthropogenic & environmental changes in the past 50,000 years. I apply a diverse methodological toolkit to reconstruct the ecological & evolutionary histories of extant species & communities. I place these results in a conservation context.

APPOINTMENTS

2021-present	Assistant Professor, Middlebury College, Vermont, USA Joint Appointment: Department of Biology & Environmental Studies Program
2023-present	Deputy Chair, Eulipotyphla, Small Mammal Specialist Group, IUCN Species Survival Commission, International Union for the Conservation of Nature
2021-present	Research Affiliate, Smithsonian Institution, Washington DC, USA Anthropology, National Museum of Natural History
2019-present	Research Associate, La Brea Tar Pits Museum, California, USA Rancho La Brea, Natural History Museum of Los Angeles County
2020-2021	Postdoctoral Research Associate, University of Oklahoma, Oklahoma, USA Laboratories of Molecular Anthropology & Microbiome Research
2019-2020	Postdoctoral Research Fellow, Hokkaido University, Sapporo, Japan Institute of Low Temperature Science
2017-2019	Postdoctoral Fellow, La Brea Tar Pits Museum, California, USA Rancho La Brea, Natural History Museum of Los Angeles County

EDUCATION

Stanford University, School of Humanities & Sciences. California, USA. 2017.
PhD in Biology (Ecology & Evolution). *Dissertation*: "From the Pleistocene to the Anthropocene: fossils, genes, and the future of Caribbean mammals"

Cornell University, College of Agriculture & Life Sciences. New York, USA. 2012.
B.S. Biological Sciences (Ecology & Evolutionary Biology)
Minors: 1. Natural Resources
2. Applied Economics & Management (Environmental & Resource Economics)
Magna cum laude with Distinction in Research

FELLOWSHIPS

2025	Japan Society for the Promotion of Science (JSPS) BRIDGE Fellow
2024	Middlebury College Engaged Listening Project Fellow
2019-2020	Japan Society for the Promotion of Science (JSPS) Short-Term Postdoctoral Fellow
2015-2016	Haas Center Graduate Public Service Fellow, Stanford University
2014-2017	Stanford Interdisciplinary Graduate Fellow
2014	Stanford Graduate Fellowship in Science & Engineering [declined]
2010-2012	Cornell University Biology Research Fellow

PUBLICATIONS

*Indicates equal author contributions, †Indicates mentored undergraduate student

Googles scholar: <https://scholar.google.com/citations?hl=en&user=I2lnSAgAAAAJ>

40. LeFebvre, MJ, Davis, AO, Brown, D, Cartwright, F, Curry, C, Kemp, ME, Kennerley, RJ, Long, B, Morris, J, Oswald, J, Pateman, M, Turvey, ST, **Mychajliw, AM**. Three necessary elements for transparent, equitable, and community-engaged collaborations in a growing conservation subdiscipline, conservation paleobiology. In Revision, 1/2025, Conservation Science & Practice.
39. Goben, JQ, **Mychajliw, AM**, †Olson, OL, Dietl, GP. Using the past to tell more persuasive conservation stories. Accepted, Conservation Biology.
38. Smith, JA, *Dowding, EM, *Abdelhady, AA, *Abondio, P, *Araújo, R, *Aze, T, *Balisi, M, *Buatois, LA, *Carvajal-Chitty, H, *Chattopadhyay, D, *Coiro, M, *Dietl, GP, *González Arango, C, *Kevrekidis, C, *Kimmig, J, ***Mychajliw, AM**, *Pimiento, C, *Regalado Fernández, OR, *Schroeder, KM, *Warnock, RCM, *Yang, TR, *Yasuoka, M... +90 contributing authors. Big questions in paleontology: A community-driven project to motivate new insights about the history of life on Earth. Accepted, Paleobiology.
37. McInturff, A, Alagona, PS, Cooper, S, Gaynor, KM, Anderson, SE, Forbes, E, Heilmayr, R, Hiroyasu, E, Kendall, B, **Mychajliw, AM**, Hardesty-Moore, M. 2025. Triangulating habitat suitability for the locally extinct California grizzly bear. Biological Conservation, 303: 110989.
36. †Patrick, OW, †Chalfin-Jacobs, M, †Lyu, A, Smith, J, Foutch, E, **Mychajliw, AM**. 2025. A 19th century stormwrecked Black-capped Petrel from Vermont offers insight into historical vagrancy processes. Ecology & Evolution. e70846. doi.org/10.1002/ece3.70846
35. Rooney, B, Kays, R, Cove, MV, Jensen, A, Goldstein, BR, Pate, C, Castiblanco, P, et al...100+ authors alphabetically incl. **Mychajliw, AM**. 2025. SNAPSHOT USA 2019–2023: The first five years of data from a coordinated camera trap survey of the United States. Global Ecology & Biogeography. e13941. doi.org/10.1111/geb.13941
34. McClenachan, L, Rick, TC, Thurstan, RH, *Trant, A, *Alagona, PS, *Alleway, HK, *Armstrong, C, *Bird, B, *Rubio-Cisneros, NT, *Clavero, M, *Colonese, AC, *Cramer, K, *Davis, AO, *Drew, J, *Early-Capistran, MM, *Gil-Romera, G, *Grace, M, *Hatch, MBA, *Higgs, E, *Hoffman, K, *Jackson, JBC, *Jerardino, A, *LeFebvre, MJ, *Lotze, HK, *Mohammed, RS, *Morueta-Holme, N, *Munteanu, C, ***Mychajliw, AM**, *Newsom, B, *O'Dea, A, *Pauly, D, *Szabo, P, *Torres, J, *Waldman, J, *West, C, *Xu, L, *Yasuoka, H, *zu Ermgassen, PSE, Van Houtan, KS. 2024. Global research priorities for historical ecology to inform conservation. Endangered Species Research, 54: 285-310. doi.org/10.3354/esr01338
33. Armstrong, EA, †Martin, EM, †Liem, JT, †Lieb, EC, †Fatima, HS, †Bissell, KL, †Moreno, M, †Jessup, A, †Lee, WH, †Romans, BW, †Heikkinen, MA, †Otgonbayar, K Royar, K, Adler, MB, Needle, D, Kelley, J, *Mooney, J, ***Mychajliw, AM**. 2024. Chromosome-level assembly of the gray fox (*Urocyon cinereoargenteus*) confirms the basal loss of PRDM9 in Canidae. G3: Genes|Genomes|Genetics, 14: jkae034, doi.org/10.1093/g3journal/jkae034.
32. Shamon, H, Maoi, R, Cove, M, Kays, R, et al...100+ authors alphabetically incl. **Mychajliw, AM**. 2024. SNAPSHOT USA 2021: A third coordinated national camera trap survey of the United States. Data Paper. Ecology, e4318: doi.org/10.1002/ecy.4318.
31. **Mychajliw, AM**, Adams, AJ, Brown, KB, Campbell, BT, Hardesty-Moore, M, Welch, Z, Southon, JR, Page, HM, Cooper, SD, Alagona, P. A 2024. Coupled social and ecological change drove the historical extinction of the California grizzly bear (*Ursus arctos californicus*). Proceedings of the Royal Society B, 291: 20230921.
30. Rayfield, KM, **Mychajliw, AM**, Singleton, RR, Sholts, SB, Hofman, CA. 2023. Uncovering the Holocene roots of contemporary disease-scapes: bringing archaeology into One Health. Proceedings of the Royal Society B, 290: 20230525.

29. LeFebvre, MJ, **Mychajliw, AM**, Harris, GB, Oswald, JA. 2023. Historical DNA from a “lost” museum paratype specimen reveals legacy of anthropogenic extirpations in the Bahamian hutia (*Geocapromys ingrahami*). Biology Letters, 19: 20220566.
28. **Mychajliw, AM**, †Hsi, AY, †An-Pham, D, †Olson, OL, Carder, N, Crock, J, Robinson, F. 2023. Zooarchaeological assemblages contextualize the historical ecology and harvest of fur-bearing mammals in Vermont. Frontiers in Ecology & Evolution, doi:10.3389/fevo.2023.1065567. *Special Issue: Integrating Conservation Biology and Paleobiology to Manage Biodiversity and Ecosystems in a Changing World*
27. Dillon, EM, Pier, JQ, Smith, J, Raja, NB, Dimitrijević, D, †Austin, EL, Cybulski, JD, De Entrambasaguas, J, Dietl, GP, Durham, SR, Grether, C, Haldar, H, Kocáková, K, Lin, CH, Mazzini, I, **Mychajliw, AM**, Ollendorf, AL, Pimiento, C, Fernandez, ORR, Smith, IE. 2022. What is conservation paleobiology? Tracking 20 years of development. Frontiers in Ecology & Evolution, doi:10.3389/fevo.2022.1031483. *Special Issue: Integrating Conservation Biology and Paleobiology to Manage Biodiversity and Ecosystems in a Changing World*
26. **Mychajliw, AM**, Ellwood, ER, Alagona, P, Anderson, RS, Balisi, MA, Biber, E, Brown, JL, George, J, Hendy, AJW, Higgins, LM, Hofman, CA, Leger, A, Ordeñana, M, Pauly, GB, Putman, BJ, Randall, JM, Riley, SPD, Shultz, AJ, Stegner, MA, Wake, TA, Lindsey, EL. 2022. Lessons for conservation from beneath the pavement. Conservation Biology, doi.org/10.1111/cobi.13983.
25. Anders, J, **Mychajliw, AM**, Moustafa, M, Mohamed, W, Hayakawa, T, Nakao, R, Koizumi, I. 2022. Dietary niche breadth influences the effects of urbanization on the gut microbiota of sympatric rodents. Ecology and Evolution, 12: e9216.
24. **Mychajliw, AM**, Almonte, JN, Martinez, PA, Hadly, EA. 2022. Stable isotopes reveal seasonal dietary responses to agroforestry in a venomous mammal, the Hispaniolan solenodon (*Solenodon paradoxus*). Ecology and Evolution, 12: e8761.
23. Mohammed, RS, Turner, G, Fowler, K, Pateman, M, Nieves-Colon, MA, Fanovich, L, Cooke, SB, Fitzpatrick, SM, Giovas, CM, †Stokowski, M, †Wrean, AA, *Kemp, ME, *LeFebvre, MJ, ***Mychajliw, AM**. 2022. Colonial legacies influence biodiversity lessons: how past trade routes and power dynamics shape present day scientific research and professional opportunities for Caribbean scientists. The American Naturalist, 200: 140-155.
22. Alagona, P & **Mychajliw, AM**. 2022. Southern California's three-bear shuffle: survival, extinction, and recovery in an urban biodiversity hotspot. Environmental History, 27: 308-313.
21. Rick, TC, Braje, T, Graham, L, Easterday, K, Hofman, CA, Holguin, B, **Mychajliw, AM**, Reeder-Myers, L, Reynolds, M. 2022. Cultural keystone places and the Chumash landscapes of *Kumqad*, Point Conception, California. American Antiquity, 87: 487-504.
20. Espino, MM, **Mychajliw, AM**, Almonte, JN, Allentoft, ME, Van Dam, AR. 2022. Raptor roosts as invasion archives: insights from the first black rat mitochondrial genome in the Caribbean. Biological Invasions, 24: 17-25.
19. **Mychajliw, AM**, Rick, TC, Dagtas, N, Erlandson, J, Culleton, B, Kennett, D, Buckley, M, Hofman, CA. 2020. Biogeographic problem-solving reveals the Late Pleistocene translocation of a short-faced bear to the California Channel Islands. Scientific Reports, 10: 15172.
18. Orihuela, J, Viñola, LW, Vázquez Jiménez, O, **Mychajliw, AM**, Hernández de Lara, O, Lorenzo, L, Soto-Centeno, JA. 2020. Assessing the role of humans in Greater Antillean land vertebrate extinctions: New insights from Cuba. Quaternary Science Reviews, 249: 106597.
17. **Mychajliw, AM**, Rice, KA, Tewksbury, LR, Southon, JR, Lindsey EL. 2020. Exceptionally preserved asphaltic coprolites expand the spatiotemporal range of a North American paleoecological proxy. Scientific Reports, 10: 5069. [now featured as an art installation by Mark Dion]

16. Buckley, M, Harvey, VL, Orihuela, J, **Mychajliw, AM**, Keating, JN, Almonte, JNM, Lawless, C, Chamberlain, AT, Egerton, VM, Manning, PL. 2020. Collagen sequence analysis reveals evolutionary history of extinct West Indies Nesophontes ('island-shrews'). Molecular Biology and Evolution, doi:10.1093/molbev/msaa137
15. **Mychajliw, AM**, Mohammed RS, Rice, KA, Farrell, AB, Rincon, AD, McAfee, R, McDonald, G, Lindsey EL. 2020. The biogeography of "breas": Contextualizing the taphonomy, ecology, and diversity of Trinidad's asphaltic fossil record. Quaternary Science Reviews, 232: 106179.
14. Forbes, ES, Alagona, P, *Adams, AJ, *Anderson, SE, *Brown, KC, *Colby, J, *Cooper, SD, *Denny, SM, *Hiroyasu, EHT, *Heilmayr, R, *Kendall, BE, *Martin, JA, *Hardesty-Moore, M, **Mychajliw, AM**, *Tyrrell, BP, *Welch, ZS. 2020. Analogies for a no-analog world: tackling uncertainties in reintroduction planning. Trends in Ecology & Evolution, 35: 551-554.
13. Kemp, ME, **Mychajliw, AM**, Wadman J, Goldberg, A. 2020. 7,000 years of turnover: historical contingency and human niche construction shape the Caribbean's Anthropocene biota. Proceedings of the Royal Society B, 287: 20200447.
12. Casewell, NR, Petras D, Card, DR, Suranse, VC, **Mychajliw, AM**, Richards, D, Koludarov, I, Albuлесcu, LO, Slagboom, J, Hempel, BF, Ngum, NM, Kennerley, RJ, Brocca, JL, Whiteley, G, Harrison, RA, Bolton, FMS, Debono, J, Vonk, FJ, Alföldi, J, Johnson, J, Karlsson, EK, Lindblad-Toh, K, Mellor, IR, Sussmuth, RD, Fry, BG, Kuruppu, S, Hodgson, WC, Kool, J, Castoe, TA, Barnes, I, Sunagar, K, Undheim, EAB, Turvey, ST. 2019. Solenodon genome reveals convergent evolution of venom in eulipotyphlan mammals. Proceedings of the National Academy of Sciences, 116: 25745-25755.
11. †Gibson, LM, **Mychajliw, AM**, Leon, Y, Rupp, E, Hadly EA. 2019. Using the past to contextualize the present and future distribution of an endemic Caribbean mammal. Conservation Biology, 33: 500-510.
10. Swift, JA, Bunce, M, Dortch, J, Douglass, K, Faith, JT, Fellows Yates JA, Field, J, Haberle, SG, Jacob, E, Johnson, CN, Lindsey, EL, Lorenzen, ED, Louys, J, Miller, G, **Mychajliw, AM**, Slon, V, Villavicencio, NA, Waters, MR, Welker, F, Wood, R, Petraglia, M, Boivin, N, Roberts, P. 2019. Micro-methods for megafauna: novel approaches to the study of Late Quaternary extinctions and their contributions to conservation in the Anthropocene. BioScience, 69: 877-887.
9. Steadman, DW, Almonte, JN, **Mychajliw, AM**. 2019. An extinct eagle (Aves: Accipitridae) from the Quaternary of Hispaniola. Journal of Raptor Research, 53: 319-333.
8. Barnosky, AD, Hadly, EA, Gonzalez, P, Head, J, Polly, D, Lawing, AM, Eronen, J, *Ackerly, DD, *Alex, K, *Biber, E, *Blois, J, *Brashares, J, *Ceballos, G, *Davis, E, *Dietl, GP, *Dirzo, R, *Doremus, H, *Fortelius, M, *Greene, HW, *Hellman, J, *Hickler, T, *Jackson, ST, *Kemp M, *Koch, PL, *Kremen, C, *Lindsey, EL, *Looy, C, *Marshall, CR, *Mendenhall, C, *Mulch, A, **Mychajliw, AM**, *Nowak, C, *Ramakrishnan, U, *Schnitzler, J, *Shrestha, KD, *Solari, K, *Stegner, L, *Stegner, MA, *Stenseth, NC, *Wake, MH, *Zhang, Z. 2017. Merging paleontology with conservation biology to guide the future of terrestrial ecosystems. Science, 355: 594.
7. *Cooke, SB, *Davalos, LM, **Mychajliw, AM**, *Turvey, ST, & *Upham, N. 2017. Anthropogenic extinction dominates Holocene declines of West Indian mammals. Annual Review of Ecology, Evolution, & Systematics, 48: 301-327.
6. Cooke, SB, **Mychajliw, AM**, Southon, J, & MacPhee, RDE. 2017. Jamaica's last monkey: the extinction of *Xenothrix mcgregori*. Journal of Mammalogy, 98: 937-949.
5. Solari, KA, *Frank, HK, *Frishkoff, LO, *Hsu, JL, *Kemp, ME, **Mychajliw, AM**, & Hadly, EA. 2016. Opportunity for some, extinction for others: the fate of species in the Anthropocene. Evolutionary Ecology Research, 17:787-813.

4. Lyons, SK, Miller, JH, Fraser, D, Smith, FA, Boyer, A, Lindsey, E, & **Mychajliw, AM**. 2016. The changing role of mammal life histories in late Quaternary extinction vulnerability on continents and islands. Biology Letters. doi:10.1098/rsbl.2016.0342
3. *Goldberg, A, ***Mychajliw, AM**, & Hadly, EA. 2016. Post-invasion demography of prehistoric humans in South America. Nature, 532: 232-235.
2. **Mychajliw, AM**, Kemp, ME, & Hadly, EA. 2015. Using the Anthropocene as a teaching, communication, and community engagement opportunity. The Anthropocene Review, 2:267-278.
1. **Mychajliw, AM** & Harrison, RG. 2014. Genetics reveal the origin and timing of a cryptic insular introduction of muskrats in North America. PLoS One, 9: e111856.

Book Chapters

6. **Mychajliw, AM**, Viñola-Lopez, LW, Orihuela, J, Almonte, JN, Turvey, ST. 2025. Extinct Solenodontidae and Nesophontidae. Book chapter in: Handbook of the Mammals of Middle and South America, Springer.
5. Kennerly, R, Gazzard, A, **Mychajliw, AM**, Turvey, ST. 2025. Hispaniolan Solenodon, *Solenodon paradoxus* Brandt 1833. Book chapter in: Handbook of the Mammals of Middle and South America, Springer.
4. Rick TE, Hofman, CA, **Mychajliw, AM**. 2024. Historical ecology. Book chapter in: The Oxford Handbook of Island & Coastal Archaeology (Eds. Erlandson, J & Fitzpatrick, S), Oxford University Press.
3. **Mychajliw, AM**. 2023. Terrestrial mammals. Book chapter in: The Living Planet: The Present State of the World's Wildlife (Ed. Maclean, N), Cambridge University Press.
2. **Mychajliw, AM** & Jefferson, TA. 2023. Marine mammals: exploited for centuries, but still holding on. Book chapter in: The Living Planet: The Present State of the World's Wildlife (Ed. Maclean, N), Cambridge University Press.
1. ***Mychajliw, AM**, *Kemp, ME, Truebe, ST, Hadly, EA. 2016. A geographic approach to teaching and communicating global change in California. Book chapter in: STEM and GIS in Higher Education (Ed. Cowen, DJ), ESRI Press.

Commentaries & Reviews

4. **Mychajliw, AM**, Kennerley, RJ, Gazzard, A, Lacher, TE, Young, RE, Grace, MK, Turvey, ST. 2024. Conserving small mammals at large scales: for listing species at all levels, collaboration is key. The Wildlife Professional, 18: 46-50.
3. **Mychajliw, AM**. 2021. Quaternary ecology, evolution, and biogeography. Quarterly Review of Biology, 96: 147.
2. *Dávalos, LM, *Austin, RM, *Balisi, MA, *Begay, RL, *Hofman, CA, *Kemp, ME, *Lund, JR, *Monroe, C, ***Mychajliw, AM**, *Nelson, EA, *Nieves-Colón, MA, *Redondo, SA, *Sabin, S, *Tsosie, K, *Yracheta, JM. 2020. Pandemics' historical role in creating inequality. Science, 368: 1322-1323.
1. **Mychajliw, AM**. 2019. Smilodon: the iconic sabertooth. Journal of Mammalogy, 100: 2002-2004.

In Review, In Submission, & Invited for 2024-2025

- Turvey, ST & **Mychajliw, AM**. When taxonomy cries wolf: ancient DNA research must embrace taxonomy to define biodiversity loss. In Review, 12/2024: Evolutionary Journal of the Linnean Society.

- Singleton, R, Rayfield, K, Hughes, KS, †Flint, EM, Rice, KA, Tewksbury, LR, Campbell, SC, Farrell, AB, Southon, JR, Lindsey, EL, Hofman, CA, **Mychajliw, AM**. Taphonomic insights into ancient DNA preservation in asphaltic fossil deposits. In Submission, 1/2025, Quaternary Science Reviews.
- **Mychajliw, AM**, †Zeltsar, MK, Dennis, J, Elms, M, Modi, S, Titmuss, D, Covino, K, Hofman, CA. Muskrat island: behavioral shifts of an isolated muskrat (*Ondatra zibethicus*) population in response to novel predation and habitat conditions in the Gulf of Maine. In Submission, Ecology & Evolution.
- †Snyderman, LS, Burgio, KR, Anderson, AW, †Olson, OL, Turvey, ST, **Mychajliw, AM**. When dates disagree: radiocarbon and sighting-based models reveal unexpected range-wide variability in persistence of the Great auk (*Pinguinus impennis*). In Submission, Biology Letters.
- **Mychajliw, AM**, Turvey, ST, Cooke, SB. Anthropocene Mammal Extinctions in Middle and South America. Book chapter in: Handbook of the Mammals of Middle and South America, Springer. *Commissioned.*

CONSERVATION REPORTS & ASSESSMENTS

International Union for the Conservation of Nature

- †Snyderman, LS, Hofman, CA, **Mychajliw, AM**. 2025. Neogale vison (Green Status assessment). The IUCN Red List of Threatened Species 2025: in press.
- †Snyderman, LS, Hofman, CA, **Mychajliw, AM**. 2025. Castor canadensis (Green Status assessment). The IUCN Red List of Threatened Species 2025: in press.
- †Snyderman, LS, Hofman, CA, **Mychajliw, AM**. 2025. Ondatra zibethicus (Green Status assessment). The IUCN Red List of Threatened Species 2025: in press.

United States

- Species assessor, mammals, Vermont Wildlife Action Plan (2025)

RESEARCH FUNDING

Principal Investigator

2024 **Vermont Biomedical Research Network**
 IDEa Networks of Biomedical Research Excellence (\$24,834)
A One Health approach to human-canine pathogen transmission in New England

Co-Principal Investigator

2021 **NSF Directorate for Geosciences**
 Dynamics of Integrated Socio-Environmental Systems (\$428,366 subaward)
Cultural resilience and shifting baselines of the North American fur trade

2021 **Conservation Paleobiology Network (NSF – Research Coordination Network)**
 Funded working group with research and community engagement components (\$21,000)
Leveraging lessons of the North American fur trade: integrated cultural and biological legacies

2021 **Conservation Paleobiology Network (NSF – Research Coordination Network)**
 Funded working group with research and community engagement components (\$18,872)
Conservation decision-making in the insular Anthropocene: finding & restoring the Bahama Archipelago's lost ecosystems

2018 **National Socio-Environmental Synthesis Center (SESYNC) Pursuit**
 Funding for 15 participants travel, accommodations for 3 meetings over 2 years
The death and life of biodiversity: modeling extinction and resilience on islands

2016 **NSF Division of Environmental Biology, Population & Community Ecology Program**
 Doctoral dissertation improvement grant (\$20,464)
Investigating species interactions across 15,000 years of extinctions and invasions: an isotopic approach

Other Smaller Grants

2024 Midd.Data Leave Year Grant (\$5,000)
2023 Alliance to Advance Liberal Arts Colleges (\$19,500)
2022 Dovetail Genomics/ Revive & Restore A Genome For (AG4) Program
2020 University of Oklahoma Libraries Fund (\$1,500)
2019 National Geographic Early Career Grant (\$7,000)
2019 Paleontological Society Norman Newell Early Career Grant (\$5,000)
2019 Evolving Earth Foundation Grant (\$2,700)
2019 The Explorers Club – Mamont Scholar Grant (\$2,780)
2016 Lewis & Clark Fund for Exploration & Field Research (\$4,500)
2016 American Society of Mammalogists Grant in Aid of Research (\$550)
2016 Center for African Studies Graduate Research Grant, Stanford (\$3,500)
2016 Center for Latin American Studies Field Research Grant, Stanford (\$900)
2014 Community Engaged Research Fund, Stanford Humanities & Sciences (\$2,500)
2014 Center for Computational, Evolutionary, and Human Genomics, Trainee Grant (\$7,250)
2013 Paleontological Society Outreach Grant (\$3,000)
2011 Dextra Undergraduate Research Fund (\$1,300)
2010 Rawlings Cornell Presidential Research Scholarship (\$5,000)

Awards

2020 Raymond M. Alf Award for Excellence in Paleontological Research & Education
2017 Romer Dissertation Prize Finalist, Society for Vertebrate Paleontology
2016 Student Public Policy Award, American Society of Mammalogists
2016 Denise Gaudreau Award for Excellence in Quaternary Studies, American Quaternary Association
2013 NSF Graduate Research Fellowship, Honorable Mention
2012 NSF Graduate Research Fellowship, Honorable Mention
2008 Intel Science Talent Search National Winner, 9th Place

TEACHING EXPERIENCE

Teaching Awards

- Honorable Mention for 2023 Marjorie Lamberti Faculty Appreciation Award, Middlebury College
- Biosciences Excellence in Teaching Award, Stanford School of Medicine
- Norman K. Wessells Award for Outstanding Teaching, Stanford Department of Biology
- Departmental Excellence in Teaching Award, Stanford Department of Biology

Teaching Grants

- Faculty Professional Development Fund, Middlebury College (\$2,000)
- Academic Outreach Endowment Grant, Middlebury College x2 (\$3-4,000)
- Ada Kent Howe Grant, Faculty Development & Research, Middlebury College (\$2,340)
- Pedagogy Innovation Grant, Center for Teaching & Learning, Middlebury College (\$1,500)
- Advocate Grant, Society for Science & the Public (\$3,000)
- Community Engaged Learning and Research Course Grant Award, Haas Center, Stanford (\$4,045)

Specialized Pedagogy Training

- Reflective Structured Dialogue / Conflict Transformation Workshop, Essential Partners, 2024
- Using Networked Course-Based Undergraduate Research Experiences and Open-Access Digitized Collections Data to Engage Your Students in Mammalogy, American Society of Mammalogists, 2023
- Network of Conservation Educators and Practitioners Conservation Teaching & Learning Studio, American Museum of Natural History, 2021
- Bringing Undergraduate Research Experiences into Your Class – Squirrel-Net CUREs, American Society of Mammalogists, 2021

Instructor

Middlebury College *syllabi available upon request*
Biol 308. Mammalogy. (Fall 2021-2024)

Biol 392. Conservation Biology. (Spring 2021-2024)
 Envs 112. Introduction to Natural Sciences & the Environment. (Spring 2021-2023)
 Envs 166. Pleistocene Park // Jurassic World. (Fall 2022-2024)
 Envs 401. Environmental Studies Community Engaged Practicum. (Fall 2021, Spring 2024)

Institute for Field Research, Archaeology Field Schools

Arch 300K. *Conservation Paleoecology at the La Brea Tar Pits*. (4 weeks, 2019)
 Managed 10 staff members and 12 students. Oversaw teaching of excavation and site maintenance, geologic mapping and stratigraphic methods, microfossil sorting, asphalt cleaning, specimen accessioning. Developed lectures, field trip, and assignments, including overarching theme of informing conservation decision-making in California.

Workshop at the University of the West Indies, St. Augustine, Trinidad & Tobago

With UWIZM. *Asphaltic Environments: Ecology, Geology, and Taphonomy*. (1 week, 2019)
 Instructor in partnership with staff at the University of the West Indies Zoology Museum. Lecture, field, and lab components. 40 students and community members.

Girls Academic Leadership Academy, Los Angeles, California

High School. *Introduction to Methods in Scientific Research*. (1 semester, 2018)
 Led a daily class at an all-girls high school (galacademy.org) in partnership with AP Biology teacher (see *Mentorship* section). Taught topics in ecology, connected students with diverse female mentors, and built confidence in STEM and public speaking.

Stanford University

Bio 128. *Geographic Impacts of Global Change: Mapping the Stories*. (2 quarters, 2014; 2015)
 Co-developer of course, with community partners at Governor's Office of California and White House National Security Council. Taught the scientific principles of global change, stakeholder engagement, environmental justice, and bridging the science-policy gap.

Teaching Assistantships

Stanford University

Bio 43. Ecology, Evolution & Plant Biology. (1 quarter; 2014)
 Bio 101. Ecology. (1 quarter; 2013)

Cornell University

BioMG 1250. Personal Genomics & Medicine. (2 semesters; 2011, 2012)
 BioSM 1780. Evolution & Marine Diversity. (intensive field course- Shoals Marine Lab, 4 weeks; 2012)
 BioEE 2740. Vertebrates: Structure, Function, Evolution. (2 semesters; 2010, 2012)
 BioEE 2780. Evolutionary Biology. (3 semesters; 2009, 2010)

ADVISING & MENTORSHIP

Undergraduate Thesis/Research Students

Middlebury College (25):

Drew An-Pham [ES-Geography], Elizabeth Austin [ES-Earth&Climate; **Thesis-2024**], Max Chalfin-Jacobs [ES-Biology], Jack Cornish [ES-Biology], Claire Ellerbrook [Biology], Ezra Flint [ES-Earth&Climate; **Thesis-2022**], Lauren Gemery [ES-Biology], David Goldsmith [ES-Biology], Alivia Hartz [Biology-Earth&Climate], Valentina Hogenhuis [ES-Policy], Audrey Hsi [Biology-Anthropology; **Thesis-2022**], Ellie Kroger [ES-Biology; **Thesis-2022**], Anna Krouse [Earth&Climate], Arthur Lyu [Biology-English], Amanda Manoogian [ES-Earth&Climate; **Thesis-2023**], Samuel Medina [ES-Biology], Jess Mulder [Biology], Emma Norton [Molecular Biology & Biochemistry], Andrew Ng [Biology], Olivia Olson [Biology; **Thesis-2022**], Oliver Patrick [ES-Biology], Lucinda Pollitt [Earth&Climate], Lucia Snyderman [Biology; **Thesis-2024**], Steil [ES-Biology], Maggie Swanson [ES-Biology], Max Zeltsar [ES-Biology; **Thesis-2025**], Ariel Zhang [ES-Biology]

Committee Member: Simone Ameer [ES-Biology], Tina Cai [ES-Biology]

University of Oklahoma (1):

Sara Williams

Stanford University (6):

Laura Cussen [Honors-2015], Lauren Gibson [Honors-2017], Charlie Jiang, Shane Johnson, Sijo Smith, Delaney Sztraicher [Honors-2015]

Universidad Autónoma de Santo Domingo, Dominican Republic (1):

Maria Caridad Novas

Doctoral Thesis Student Committees

Andrew Hensley [University of Cincinnati; 2024- present], Audrey Hsi [Stanford University; 2023-present]

*High School Science Fair Projects***Girls Academic Leadership Academy & Society for Science and the Public, Los Angeles:**

- Independently developed and externally funded high school science research program for students [2018-2019] at the La Brea Tar Pits & Museum
- Participated in the Google Science Fair, Los Angeles County Science & Engineering Fair

College Mentorship Programs

(#) Indicates number of students worked with:

- Shoals Marine Laboratory Undergraduate Research Group (SURG) Mentor (1)
- Middlebury Student Academic Advising (~20 annually)
- Middlebury Cross Cultural Engagement Internship (2)
- Middlebury Museum Works Program (1)
- Biology Student Advisor, Undergraduate Office of Biology, Cornell (20)
- East Palo Alto Tennis & Tutoring, Stanford-High School Partnership (1)
- Internship in Human Biology, Undergraduate Human Biology Program, Stanford (1)
- Mentoring Undergraduate Interdisciplinary Research program, Woods Institute, Stanford (2)
- Stanford @ COP21 Undergraduate Paris Climate Research, Stanford (1)
- Stanford Storytelling Project (1)
- Senior Reflection in Art & Science, Department of Biology, Stanford (1)
- Vice Provost for Undergraduate Education, Stanford, Summer Research Internship (4)
- Volpert Scholar in Earth Systems Undergraduate Summer Research, Stanford (1)

RESEARCH QUALIFICATIONS

*International Field Sites*2018-present **Trinidad & Tobago – supported by National Geographic**

Dynamics of past and present biodiversity

Forest Reserve, Aripo Savannah

Research Partners: National Trust of Trinidad & Tobago
University of the West Indies2013-2019 **Dominican Republic**

Conservation and paleoecology of endemic vertebrates

La Selle- Jaragua- Baboruco- Enriquillo UNESCO Biosphere Reserve

Research Partners: Grupo Jaragua (local conservation NGO)
Museo Nacional de Historia Natural of Santo Domingo*US Field Sites*2021-present **New England**, Vermont, coastal and insular Maine2017-present **Rancho La Brea, Los Angeles**, La Brea Tar Pits & Museum2008-2010 **New York & Kings Counties, New York**, New York City Audubon Society

Specialized Training

- National Geographic “Sciencetelling” Bootcamp
- UC Irvine Keck Accelerator Mass Spectrometry Facility
- Stanford University Stable Isotope Biogeochemistry Lab
- Centre for GeoGenetics, Denmark
- Bodega Bay Phylogenetics Workshop
- IUCN Red List & Green Status Assessment

FIRST-AUTHOR PRESENTATIONS

Plenary Addresses

- 2019 Invited Plenary Speaker, **The Wildlife Society**, Yosemite, California
“Of creatures huge, fierce, and strange: the Pleistocene roots of our Anthropocene extinctions in North America”

Chaired Symposia

- 2023 **13th International Mammalogical Congress**
“The death and life of island mammals: extinction, change, and resilience from past to future”
- 2018 **Joint Meeting of the Canadian and American Quaternary Associations**
“Island biogeography in a changing world: an interdisciplinary roadmap from the Quaternary”
- 2017 **12th International Mammalogical Congress**
“From the Pleistocene to the Anthropocene: the future of Caribbean mammals”

Select Invited Presentations

- 2025 Departmental Seminar, Earth & Environmental Lecture Series, **Norwich University**, Vermont.
“Tar Pit Time Capsules”
- 2025 Invited Speaker, **National Museum of Nature & Science**, Tsukuba, Japan.
“Lost World of Caribbean mammals: uncovering evolutionary processes & patterns of extinction”
- 2025 Invited Speaker, Mammal Exchange Seminar Series, **Hokkaido University**, Sapporo, Japan.
“Lost World of Caribbean mammals: uncovering evolutionary processes & patterns of extinction”
- 2024 Invited Speaker, A Gulf of Knowledge: Interconnecting paleobiology research across the Caribbean, **North American Paleontological Congress**, Ann Arbor, Michigan.
“Conservation paleobiology in the Caribbean: how fossils can help us save the last survivors”
- 2023 Invited Speaker, Ecological and Cultural Heritage in the Anthropocene: Multi-disciplinary Perspectives, **University of Queensland**, Australia.
“Holocene extinctions and historic losses: addressing shifting baselines in mammal conservation”
- 2023 Departmental Seminar, School of Environment & Natural Resources, **Ohio State University**.
“Conflicts in context: shifting baselines in carnivore conservation”
- 2022 Invited Speaker, Conservation Paleobiology, **Geological Society of America**, Denver, Colorado.
“Paleobiology in Novel Ecosystems: lessons for conservation from beneath the pavement”
- 2022 Invited Speaker, Current Topics in Science Series, **Northern Vermont University**.
“Uncovering hidden data in Vermont’s museum collections: ancient DNA, lost species, and future conservation”
- 2022 Invited Speaker, **North American Congress for Conservation Biology**, Reno, Nevada.
“Conflicts in context: natural history collections as archives of human-carnivore interactions”

through time"

- 2022 Invited Speaker, Paleobiology Seminar Series, **Smithsonian National Museum of Natural History**.
"Tar pit time capsules: Quaternary ecosystems & extinctions captured in asphalt"
- 2022 Invited Speaker, UT Paleontology Seminar Series, **UT Austin Jackson School of Geosciences**.
"Tar pit time capsules: Quaternary ecosystems captured in asphalt"
- 2021 Invited Speaker, School of Biology and Ecology Seminar Series, **University of Maine**.
"The lost world of Caribbean mammals: Quaternary extinctions and current threats"
- 2021 Invited Participant, 16th Annual Early Career Scientists Symposium, **University of Michigan**.
"Conflicts in context: natural history collections as archives of human-carnivore interactions through time"
- 2020 Invited Speaker, **Geological Society of Washington**, virtual meeting.
"Tar pit" time capsules: reconstructing Trinidad's Late Pleistocene ecosystems with fossils trapped in asphalt"
- 2019 Invited Animal Ecology Seminar, School of Environmental Sciences, **Hokkaido University**, Japan.
"Fossils are data too! Studying natural experiments from historical and paleontological records"
- 2019 Invited Seminar, **Hokkaido University Museum**, Sapporo, Japan.
"What can ice age fossils tell us about California's extinct ecosystems and brown bears?"
- 2019 Invited Symposium Participant, **North American Paleontological Convention**.
"Holocene arrival and historic loss of the California grizzly bear: Bridging timescales of decline in the 6th mass extinction"
- 2019 Invited Speaker, USC Paleosciences Research Consortium, **University of Southern California**.
"Recent extinctions & current threats: using the fossil record to guide conservation of Caribbean biodiversity"
- 2019 Invited Talk, **Colgate University**, Hamilton, New York.
"Beas, bears & bones: global change lessons from the Quaternary"
- 2019 Invited Talk, **California State University - Channel Islands**, Camarillo, California.
"Changing climates, shifting baselines: the hidden ecological experiments of historic & fossil records"
- 2018 Invited Talk, **Colby College**, Waterville, Maine.
"What makes a survivor? Using past ecological experiments to avert extinction in the Anthropocene"
- 2018 Invited Talk, **Natural Areas Association Conference**, University of Indiana.
"Fossil and historic collections reveal the ecological legacy of California's lost bears"
- 2018 Invited Talk, **Cheadle Center for Biodiversity and Ecological Restoration**, UC Santa Barbara.
"Fossil and historic collections reveal the ecological legacy of California's lost bears"
- 2018 Featured Presentation, **Biodiversity Heritage Library Annual Meeting**, Los Angeles, CA.
"Eyewitness to extinction: BHL documents the consequences of the Columbian exchange"
- 2017 Invited Talk & Workshop Participant, in: "Megafauna & Methods", **Max Planck Institute for the Science of Human History**, Jena, Germany.
"Mammals, humans, and climate: Caribbean extinctions as a model counterpart to continents"
- 2016 Invited Talk & Symposium Participant, in: "Humanos, cambios climáticos y extinciones".
IX Congreso Latinoamericano de Paleontología, Lima, Peru.

- 2015 Invited Talk & Panelist, **UC Berkeley Global Change Biology Center**.
"A Role for Ataxic Metrics in Conservation – Island Systems"

Select Presentations & Posters

- 2024 Panelist, **BeaverCon**, University of Colorado, Boulder / The Beaver Institute.
"Coexisting with beavers on college & university campuses: building a community response"
- 2024 Poster, **BeaverCon**, University of Colorado, Boulder / The Beaver Institute.
"IUCN Red List & Green Status assessment updates for the North American Beaver"
- 2023 Talk, **Society of Vertebrate Paleontology**, Cincinnati, Ohio.
"A Ghost on the Coast: morphological, isotopic, and genomic insight into the extinction of the Sea Mink (Neogale macrodon)"
- 2023 Talk, Islands Symposium, **International Mammalogical Congress**, Alaska.
"Historical DNA contextualizes conservation opportunities for a range restricted insular rodent, the Bahamian hutia"
- 2022 Talk, International Connections Symposium, **Society of Vertebrate Paleontology**, Toronto.
"Collecting in the Caribbean: how past paleontological practices influence present day research in Trinidad & Tobago"
- 2020 Talk, **North American Congress for Conservation Biology**, virtual meeting.
"Paleobiology in Novel Ecosystems: lessons for conservation from beneath the pavement"
- 2020 Talk, **Latin American & Caribbean Conservation Biology Congress**, virtual meeting.
"Trinidad's tar pit time capsules: what can past responses to climate change tell us about the future?"
- 2020 Talk, **Society of Vertebrate Paleontology**, virtual meeting.
"Ecology and biogeography of an unexpected short-faced bear (Arctodus simus) from the California Channel Islands"
- 2020 Talk, **EcoMunch Seminar Series**, Department of Biology, University of Oklahoma.
"A tale of three bears: extinction, survival, and re-wilding in Southern California"
- 2020 Talk, **4th Annual Digital Data Conference**, iDigBio, virtual meeting.
"Paleobiology in Novel Ecosystems: lessons for conservation from beneath the pavement and diverse digital data sources"
- 2019 eLightning Session, **American Geophysical Union**, Fall Meeting, San Francisco, CA, USA.
"Stable isotope analysis of asphaltic coprolites reveals stability of woodrat diet (Neotoma sp.) from Rancho La Brea, Los Angeles"
- 2018 Talk, **Latin American & Caribbean Conservation Biology Congress**, University of the West Indies.
"Recent extinctions & current threats: using the fossil record to guide conservation of Caribbean biodiversity"
- 2018 Talk, **American Society of Mammalogists**, Kansas State University.
"Paleoecology of a Pleistocene woodrat (Neotoma) midden from the La Brea Tar Pits"
- 2017 Romer Prize Session Talk, **Society of Vertebrate Paleontology**, Calgary, Canada.
"Fossils, feces, & the future: a 20,000-year experiment of mammalian extinctions on islands"
- 2017 Talk, **International Mammalogical Congress**, Perth, Australia.
"Genomic and isotopic approaches reveal mechanisms of persistence in the endemic Hispaniolan solenodon"

- 2017 Talk, **IX Congreso de la Biodiversidad Caribeña**, Santo Domingo, Dominican Republic.
"La flexibilidad dietética promueve la supervivencia de un mamífero relictual, el solenodonte"
- 2016 Colbert Poster Prize Session, **Society of Vertebrate Paleontology**, Salt Lake City, Utah.
"What is 'natural' after 10,000 years of extinction and invasion? Conservation paleobiological approaches in Parque Nacional Jaragua, Dominican Republic"

Facilitated Workshops

- 2024 Alliance to Advance Liberal Arts Colleges, Middlebury College (\$19,500 grant for workshop).
"The art & science of natural history collections at small liberal arts colleges"
- 2022 Conservation Paleobiology Network, Shoals Marine Laboratory.
"Leveraging lessons of the North American fur trade: integrated cultural and biological legacies"
- 2020 Student Conference on Conservation Science, American Museum of Natural History.
"From the modern to millennia: temporal techniques for the conservation biologist's toolkit"

OUTREACH & ENGAGEMENT

District, County, & State Science Fair Judge – Animal Science, Zoology, Ecology, Chemistry
 California State Science Fair • Gaspar de Portola Middle School Science Fair • Hollywood High School Projects • Intel International Science & Engineering Fair • Los Angeles County Science & Engineering Fair • Orange County Science & Engineering Fair • Riverside County Science & Engineering Fair

Women in Science

Daises Dig Dire Wolves – Programming for Girl Scout troops that includes hands-on microfossil sorting and exposure to fossil excavations at the La Brea Tar Pits

Project STEM – Guest "STEM Superstar" for Predators Week; Virtual lunch talks during COVID-19

Office of Los Angeles Mayor WiSTEM Initiative – Participant in women in science community events

K-12 Outreach

Skype a Scientist – Skype with classes grades K-12 across US, featuring natural history specimen props

Adventures in Nature, Jr. Scientist Programs – Act as visiting scientist to lead owl pellet dissections and other interactive activities for student events at Natural History Museum of Los Angeles County

Career Days – Participate in local career days at elementary schools in Los Angeles

International Science & Engineering Fair (ISEF) – Selected to serve as "adult in charge" mentor for California delegation of 7 high school students to ISEF

National Geographic Explorers in the Classroom – delivered multiple presentations over Zoom/YouTube Live receiving 1,000+ views

Podcast, Media, & TV Appearances

Generation Anthropocene Podcast – "The Survivor"

Science... Sort of Podcast – "LOST"

Geovida – TV program in the Dominican Republic. Guest for discussion on Caribbean extinctions

Travel Channel – Guest expert for program on Late Pleistocene ecosystems of North America

ArcLight Theaters Hollywood – Panelist for documentary "Inventing Tomorrow" by Fishbowl Films

Museum Engagement & Informal Education

Exhibit Development – Contributed to museum exhibits about native mammals at the Museo del Hombre and the Museo Nacional de Historia Natural in the Dominican Republic, including 3D printing

Behind the Scenes Tours – Regularly led tours for diverse audiences at the La Brea Tar Pits & Museum

Community Events – Develop booth programming based on active research, for events such as Nature Fest, Haunted Museum, and Dino Fest at the Natural History Museum of Los Angeles County

Docent Training – Develop lecture programming to train museum docents on paleoecology, natural selection, adaptation, and current research at the La Brea Tar Pits

Art Exhibit – Consult with artist Mark Dion for his “Excavations” exhibit as part of *PST ART: Art & Science Collide* at the La Brea Tar Pits, resulting in exhibit depicting results of peer-reviewed publication, including a 10 ft long glow in the dark packrat sculpture that has hoarded local debris

Pokémon Pop Up Museum – Collaborate with Cosplay for Science to produce a student-led pop-up natural history museum for 200-300 community members annually in Vermont

General Public Speaking

- 2024 Science Pub Series, **Bomoseen Lodge**, Vermont.
- 2024 Earth Day Garden Lecture, **Middlebury Institute of International Studies**, Monterey, California.
- 2023 The Benefits of Beavers in Your Backyard, **Ilsley Public Library**, Middlebury, Vermont.
- 2022 Forest Reserve Fossil Updates & Community Research Questions, **National Trust of Trinidad & Tobago**, Port of Spain, Trinidad & Tobago.
- 2022 Conservation Connections: Bridging Science & Practice through Conservation Paleobiology Research, **Conservation Paleobiology Research Network**, virtual.
- 2022 Natural History Lecture, **Trinidad & Tobago Field Naturalists' Club**, virtual.
- 2021 Capacity Building Fossil Workshop, **National Trust of Trinidad & Tobago**, virtual.
- 2021 Fossil Friday Chat, **Western Science Center and Alf Museum of Paleontology**, California.
- 2021 Yosemite Forum, **Yosemite National Park**, Resources Management and Science, California.
- 2021 Nightlife – Night School, **California Academy of Sciences**, virtual.
- 2020 Volunteer Seminar Series, **Sam Noble Museum of Natural History**, Oklahoma.
- 2020 Yukon Public Lecture Series, **Yukon Beringia Interpretive Centre**.
- 2019 Explorer Spotlight, **National Geographic Headquarters**.
- 2019 Natural History Public Lecture Series, **Pacific Grove Museum of Natural History**.
- 2019 Technical Symposia, **Intel International Science & Engineering Fair**. (high school students)
- 2018 Members Lecture Series, **Geological Society of Trinidad & Tobago**.
- 2017 Yukon Public Lecture Series, **Yukon Beringia Interpretive Centre**.
- 2015 Plagiodontia Public Lecture Series, **Museo Nacional de Historia Natural**, Dominican Republic.

Class Guest Lectures

Chapman University; Middlebury Institute of International Studies; Northern Virginia Community College; Turkana University College (Kenya); Shoals Marine Laboratory; University of Florida, Gainesville; University of Oklahoma; University of Texas, Austin; University of the West Indies, St. Augustine

PROFESSIONAL SERVICE

Ongoing National, International, & Society Service

- 2023- National Science Foundation reviewer
- 2022- Chair, Futures Award, Society of Vertebrate Paleontology
- 2022- Steering committee, Conservation Paleobiology Network, National Science Foundation Research Coordination Network

2021- Mammal Scientific Advisory Group, state of Vermont
 2018- Biodiversity committee, American Society of Mammalogists

Middlebury College Service

2023- Community advisory board for the Center for Community Engagement
 2022- Faculty advisory board, Middlebury School Abroad in Latin America and the Caribbean
 2022- Natural history collections digitization & curation
 2023 Search committee, Visiting Assistant Professor in Cell Biology & Genetics (3 yr)
 2023 Search committee, Visiting Assistant Professor in Cell Biology & Genetics (1 yr)
 2022, 2023 MiddSIP LA Posse Program Remote Sessions
 2022-2023 Seminar coordinator, Department of Biology
 2021 Search committee, Visiting Assistant Professor in Molecular Genetics
 2021- Regular participant in college speaking events, incl. Fall Faculty Forum & Rifelj Lecture
 2021-2022 Admissions advisory committee, college-wide

Past National, International, & Society Service

2024 Japan Society for the Promotion of Science fellowships review committee
 2023-2024 Proposal Committee, Beaver Con, The Beaver Institute
 2022 Conservation Paleobiology Network mentor lunch
 2022 Conservation paleobiology roundtable host, student and postdoc professional development event, Society of Vertebrate Paleontology
 2020-2022 Newsletter editor, Conservation Paleobiology Network (conservationpaleornet.org)
 2021 Reviewer, IUCN Report on State of Protected & Conservation Areas for the Caribbean
 2021 Session reviewer, The National Diversity in STEM (NDiSTEM) Digital Conference
 2021 American Society of Mammalogists conference student mentor and presentation judge
 2020 Research presentation, symposia, and travel scholarship reviewer, Society for Advancement of Chicanos/Hispanics and Native Americans in Science (SACNAS)
 2020 Scientific committee, 2nd Paleontological Virtual Congress (paleovc.uv.es)
 2018 Data steward, FAUNMAP constituent database of Neotoma Paleoeology Database
 2019 Applicant selection committee, NSF intern program, La Brea Tar Pits & Museum s
 2017 Graduate student feedback coordinator, Stanford Evolution Faculty Search
 2016 Applicant selection committee, Haas Public Service Fellowship
 2016 Departmental teaching assistant mentor, Department of Biology
 2015 Host/visa sponsor for international visiting scholar from Dominican Republic
 2013-2015 PhD admission weekend committee, Department of Biology

Peer reviewer for: American Museum Novitates, Biological Invasions, Cambridge Prism Extinctions, Ecography, Ecology and Evolution, Global Ecology & Conservation, International Journal of Osteoarchaeology, Journal of Biogeography, Journal of Human Evolution, Journal of Mammalogy, Journal of Mammal Evolution, Journal of Quaternary Science, Novitates Caribaea, PeerJ, Philosophical Transactions of the Royal Society B, PLoS One, Proceedings of the Royal Society B, Quaternary Science Reviews, Royal Society Open Science, Science, The Anthropocene Review, The Holocene

LANGUAGE

English – Native speaker; **Spanish** – Professional proficiency; **Japanese** – Basic (audited JAPN 101)