

CURRICULUM VITAE

MARTHA M. MUÑOZ

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EDUCATION

- 2014 Ph.D. Organismic and Evolutionary Biology, Harvard University
- 2007 B.A. Biology (with Distinction), *summa cum laude*, Boston University

APPOINTMENTS

- 2025- Associate Professor, Department of Ecology and Evolutionary Biology, Yale University
Associate Curator, Division of Vertebrate Zoology, Yale Peabody Museum
Affiliate Faculty, Yale Institute for Biospheric Studies
- 2021-2025 Assistant Curator, Division of Vertebrate Zoology, Yale Peabody Museum
- 2019-2025 Assistant Professor, Department of Ecology and Evolutionary Biology, Yale University
- 2017-2019 Assistant Professor, Department of Biological Sciences, Virginia Tech
Affiliate Faculty, Global Change Center, Virginia Tech
- 2015-2017 Post-doctoral Researcher, Department of Biology, Duke University
- 2014-2015 Post-doctoral Researcher, Research School of Biology, Australian National University
- 2007-2008 Fulbright Research Scholar, National Museum of Natural Sciences, Madrid, Spain

FELLOWSHIPS AND AWARDS

- 2024 John D. and Catherine T. MacArthur Fellowship
- 2024 Postdoc Mentorship Award, Yale University Office for Postdoctoral Affairs
- 2022 George Bartholomew Award, Society for Integrative and Comparative Biology
- 2021 Carl Gans Award, Society for Integrative and Comparative Biology
- 2019 'Scientist to Watch', *The Scientist Magazine*
- 2019 Distinguished Alumni 'Rising Star' Award, Boston University
- 2017 Early Career Investigator Award, American Society of Naturalists
- 2017 Foerster-Bernstein Postdoctoral Fellowship, Duke University (declined)
- 2014 Raymond Huey Best Talk Award, Society for Integrative and Comparative Biology
- 2014 National Science Foundation, Postdoctoral Research Fellowship (declined)
- 2013 John Parker Merit Fellowship, Harvard University
- 2012 Robert A. Chapman Memorial Fellowship, Harvard University
- 2008 National Science Foundation, Graduate Research Fellowship
- 2008 Herchel Smith Graduate Fellowship, Harvard University
- 2007 William J. Fulbright Research Fellowship (Spain)
- 2006 Phi Beta Kappa Honor Society, Boston University (early induction)
- 2006 College of Arts and Sciences Merit Award, Boston University
- 2006 Harold Case Award, Boston University

FUNDED GRANTS:

- 2025 National Science Foundation, CAREER Award, DEB-2440892: The multidimensional role of behavior in evolution. PI. Total Award: \$1,781,393.
- 2023 Hutchinson Environmental Science Program, Yale University. Predicting ectotherm responses to climate warming: integrating behavior, physiology, genomics, and life history in reptiles and amphibians. Lead PI. Total Award: \$380,000.
- 2023 Yale Planetary Solutions Seed Grant: Using thermal performance data to improve forecasts of extinction risk & global diversity under climate change. Co-PI. Total Award: \$25,000.
- 2021 National Science Foundation, DEB-2039476, Systematics and Biodiversity Science: Hidden dimensions of diversity in woodland salamanders: Investigating ecophysiological evolution in a classic non-adaptive radiation. Lead PI. Total Award: \$976,607.
- 2021 National Science Foundation, DEB-2054569, Bridging Ecology and Evolution: Niche width evolution and the assembly of faunas. Co-PI. Total Award: \$1,102,014.
- 2021 John Templeton Foundation: De-mystifying the tangled bank: integrating macroevolutionary and mechanistic landscape approaches across scales of organization. Lead PI. Total Award: \$799,641.
- 2018 National Science Foundation, IOS-1839250, RoL: FELS: Conference Grant: Evolutionary biomechanics and morphology in the era of big data. Lead PI. Total Award: \$21,868.
- 2018 Global Change Center Seed Grant, Virginia Tech. Co-PI. Total Award: \$19,810
- 2012 National Science Foundation, Doctoral Dissertation Improvement Grant, \$14,999

SUBMITTED GRANT PROPOSALS:

“The combined influence of biotic interactions and geological (in)stability on the diversification of mountain squamates.” Under review at the National Science Foundation (DEB: Evolutionary Processes)

“Evolutionary biomechanics of latch mediated spring actuation” Under review at the National Science Foundation (IOS: Physiological and Structural Systems)

PUBLICATIONS:

¹Undergraduate Mentee; ²Graduate Student; ³Postdoctoral Researcher; ⁴High School Mentee

Submitted / In Review / In Revision:

- 71. Sheldon KS, **Muñoz MM**, Rosvall KA, Alcantara Viara JV, Cornelius J, Domínguez-Guerrero SF³, Ellis-Soto D, Kirkpatrick WH, O’Connell L, Stanton LA, Rebouças R, Derryberry EP. The role of behavior in responses to anthropogenic changes. (submitted)
- 70. Jawad WA, Salgado AL, Cheng BS, Gignoux-Wolfsohn SA, Hays C, **Muñoz MM**, Sasaki MC, Kelly MW. A mosaic of climate vulnerability: local warming rates meet intraspecific divergence in heat tolerance. (submitted)

69. Waldron BP³, Tarimo E, Sashittal P, Naughton N, **Muñoz MM**, Uyeda JC. Universal genomic constraints in the evolvability of thermal physiology. (submitted)
68. Perez DJP, **Muñoz MM**, Skelly DK. Relative high fitness and genome-wide diversity may facilitate plastic and active foragers' diversification. (in review)
67. Domínguez-Guerrero SF³, Bodensteiner BL², Friedman ST³, Klinges DH, Skelly DK, Mahler DL, Frishkoff LO, **Muñoz MM**. Thermal ecology drives alternate responses to rising temperatures in Caribbean anoles. (in revision)
66. Tarimo E, White E, Bodensteiner BL², **Muñoz MM**, Waldron BP³, Uyeda JC. Universal phylogenetic inertia in body temperature evolution across endothermic and ectothermic tetrapods. (in revision)
65. Alomar N², Camarillo H², Burress ED³, Laterza-Barbosa J², Gade MR³, Domínguez-Guerrero SF³, Hernández Rodríguez I², Alencar LRV³, Bodensteiner BL², Burger IJ, Riddell EA, **Muñoz MM**. Physiology is a hidden dimension of diversity in the radiation of woodland salamanders. (in revision)

In Press / Published

64. Klinges DH, **Muñoz MM**, Domínguez-Guerrero SF³, Maclean IMD, Kearney MR, Skelly DK. Matching climate to biological scales. (in press, *Trends in Ecology and Evolution*)
63. Alencar LRV³, Masroor K¹, Domínguez-Guerrero SF³, Laterza-Barbosa J², Gade MR³, Uyeda JC, **Muñoz MM**. How thermal tolerance shapes species distributions: an integrative perspective on the most diverse lizard family from North America. (in press, *American Naturalist*)
62. Alencar LRV³, Domínguez-Guerrero SF³, Schwery O, Uyeda JC, **Muñoz MM**. Evaluating the causes and consequences of physiological evolution. (in press, *Physiology, Behavior, and Evolution: An Integration of Classic Ideas and New Perspectives*, MIT Press)
61. **Muñoz MM**, Fuxjager MJ. Contemporary approaches in integrative and comparative biology provide new insights on classic ideas. (in press, *Physiology, Behavior, and Evolution: An Integration of Classic Ideas and New Perspectives*, MIT Press)
60. Burress ED³, Gade MR³, Riddell EA, **Muñoz MM**. 2026. Coincident transitions across elevation and origins of functional innovations drove the phenotypic and ecological diversity of lungless salamanders. *Evolution* 80:616—630. [*Issue cover image](#)
59. Domínguez-Guerrero SF³, Woolrich-Piña GA, **Muñoz MM**. 2025. Preferred body temperatures are increasing in three anguimorph lizards with passive thermoregulation. *Integrative and Comparative Biology* 65:1136—1147.

58. Stroud JT, Kolbe JJ, Doshna B, Anderson CV, French SS, Miles DB, Zani PA, Suh JJ, Passos DC, Roberts TJ, Whiting MJ, Aja M, Appleton M, Arnashus A, Arnold D, Bastiaans E, Barnett K, Boronow KE, Brisson J, Calder D, Clay S, Connior M, Cooper TL, Castañeda MdR, Dufour CMS, Gamble T, Geneva AJ, Gray LN, Griffin K, Hall JM, Herrmann NC, Hillen B, Johnson LE, Kamath A, Langkilde T, Langner C, Lapiedra O, Leal M, Maayan I, Miller AH, **Muñoz MM**, Norval G, Perkins SL, Pike DA, Schoener TW, Templeton AR, Vazquez E, Walker A, Losos JB. 2025. Pirates of the Caribbean (and elsewhere): Three-legged lizards and the study of evolutionary adaptation. *American Naturalist* 206:403—417.
57. Lange ZK, Bodensteiner BL², Nicholson DJ, Lertzman-Lepofsky G, Murray AH, Folfas E, Domínguez-Guerrero SF³, Mahler DL, **Muñoz MM**, Frishkoff LO. 2025. Species' thermal physiology drives abundance peaks along environmental gradients, but only weakly predicts distributional limits. *American Naturalist* 206:E47—E62.
56. Brownstein CD, Domínguez-Guerrero SF³, Tufiño JDL, **Muñoz MM**, Near TJ. 2025. Night lizards survived the Cretaceous-Paleogene mass extinction near the asteroid impact. *Biology Letters* 21:20250157.
55. Pintanel P, Tejedo M, Enriquez-Urzelai U, Domínguez-Guerrero SF³, **Muñoz MM**. 2025. High thermal variation in maximum temperature inverts Brett's heat-invariant rule at fine spatial scales. *Ecology* 106:e70124.
54. Laterza-Barbosa J², Rainha R², Flores-Guzmán A, Kawana Ting A¹, Chen J¹, Riddell EA, **Muñoz MM**, Navas CA. 2025. Revisiting thermal gradient experiments: effects of thermal heterogeneity on salamander behavior. *Integrative Organismal Biology* 7:obaf015.
53. Brownstein CD, Harrington RC, Alencar LRV³, Bellwood DR, Choat JH, Rocha LA, Wainwright PC, Tavera JJ, Burress ED³, **Muñoz MM**, Cowman PF, Near TJ. 2025. Phylogenomics establishes an Early Miocene reconstruction of reef vertebrate diversity. *Science Advances* 11:eadu6149.
52. James E¹, **Muñoz MM**. 2025. Thermal plasticity changes competitive ability across a woodland salamander hybrid system. *Ethology* 131:e13552.
51. Salazar JC¹, Londoño GA, **Muñoz MM**, Miles DB, Castañeda MdR. 2025. The Andes are a driver of physiological diversity in *Anolis* lizards. *Evolutionary Journal of the Linnean Society* 4:kzae040.
50. Bodensteiner BL², Burress ED³, **Muñoz MM**. 2024. Adaptive radiation without independent stages of trait evolution in a lineage of Caribbean anoles. *Systematic Biology* 73:743—757.
49. Head AA, Vaughn PL, Livingston EH, Colwell C, **Muñoz MM**, Gangloff EJ. 2024. Include the females: morphology-performance relationships vary between sexes in lizards. *Journal of Experimental Biology* 227:jeb248014.

48. Camarillo H², Burress ED³, **Muñoz MM**. 2024. Highly conserved four-bar geometry during extensive ecological diversification. *Integrative Organismal Biology* 6:1—16.
47. Alomar N², Bodensteiner BL², Hernández Rodríguez I², Landestoy MA, Domínguez-Guerrero SF³, **Muñoz MM**. 2024. Comparison of hydric and thermal physiology in an environmentally diverse clade of Caribbean anoles. *Integrative and Comparative Biology* 64:377—389.
46. Riddell EA, Burger IJ, **Muñoz MM**, Weaver S, Womack M. 2024. Amphibians exhibit extremely high hydric costs of respiration. *Integrative and Comparative Biology* 64:366—376.
45. Alencar LRV³, Schwery O, Gade MR³, Domínguez-Guerrero SF³, Tarimo E, Bodensteiner BL², Uyeda JC, **Muñoz MM**. 2024. Opportunity begets opportunity to drive macroevolutionary dynamics of a diverse lizard radiation. *Evolution Letters* 6:qrae022.
44. Domínguez-Guerrero SF³, Esquerré D, Burress ED³, Maciel-Mata CA, Alencar LRV³, **Muñoz MM**. 2024. Viviparity imparts a macroevolutionary signature of ecological opportunity in the body size of female *Liolaemus* lizards. *Nature Communications* 15:4966.
43. Burger IJ, Carter ET, Magner L, **Muñoz MM**, Sears MW, Fitzpatrick BM, Riddell EA. 2024. Assessing hybrid vigor using the thermal sensitivity of physiological trade-offs in tiger salamanders. *Functional Ecology* 38:143—152.
42. Riddell EA, Burger IJ, Tyner-Swanson TL, Biggerstaff J, **Muñoz MM**, Levy O, Porter CK. 2023. Parameterizing mechanistic niche models in biophysical ecology: a review of empirical approaches. *Journal of Experimental Biology* 226:jeb245543.
41. Burress ED³, **Muñoz MM**. 2023. Phenotypic rate and state are decoupled in response to river-to-lake transitions in cichlid fishes. *Evolution* 77: 2365—2377.
40. **Muñoz MM**, Frishkoff LO, Pruett J, Mahler DL. 2023. Evolution of a model system: new insights from the study of *Anolis* lizards. *Annual Review of Ecology, Evolution, and Systematics* 54:475—503.
39. Burress ED³, **Muñoz MM**. 2023. Functional trade-offs asymmetrically promote phenotypic diversification. *Systematic Biology* 72:150—160.
38. Dellinger SB, De Vita R, Vlachos PP, **Muñoz MM**, Socha JJ. 2023. Material properties of skin in the flying snake *Chrysopelea ornata*. *Journal of Experimental Zoology A* 339:269—283.
37. Friedman ST³, **Muñoz MM**. 2023. A latitudinal gradient of deep-sea invasions for marine fishes. *Nature Communications* 14:773.
36. Friedman ST³, **Muñoz MM**. 2022. The effect of thermally robust ballistic mechanisms on climatic niche in salamanders. *Integrative Organismal Biology* 4:obac020.

35. Domínguez-Guerrero SF³, Méndez-de la Cruz FR, Manríquez-Morán NL, Olson ME, Galina-Tessaro P, Arenas-Moreno DM, Bautista-del Moral A, Benítez-Villaseñor A, Gadsden H, Lara-Reséndiz RA, Maciel-Mata CA, Muñoz-Nolasco FJ, Santos-Bibano R, Valdez-Villavicencio JH, Woolrich-Piña GA, **Muñoz MM**. 2022. Exceptional parallelisms characterize the evolutionary transition to live birth in phrynosomatid lizards. *Nature Communications* 13:2881.
34. Landis MJ, Quintero I, **Muñoz MM**, Zapata F, Donoghue MJ. 2022. Phylogenetic inference of where species spread or split across barriers. *Proceedings of the National Academy of Sciences* 119:e2116948119.
33. **Muñoz MM**. 2022. The Bogert effect, a factor in evolution. *Evolution* 76:49—66.
[*Issue cover image](#)
32. **Muñoz MM**, Feeley KJ, Martin PM, Farallo VR³. 2022. The multidimensional (and contrasting) effects of environmental warming on a group of montane tropical lizards. *Functional Ecology* 35:419—431.
31. Burress ED³, **Muñoz MM**. 2022. Ecological opportunity from innovation, not islands, drove the anole lizard adaptive radiation. *Systematic Biology* 71:93—104.
30. Bodensteiner BL², Gangloff EJ, Kouyoumdjian L, **Muñoz MM**, Aubret F. 2021. Thermal-metabolic phenotypes of the lizard *Podarcis muralis* differ across elevation, but converge in high elevation hypoxia. *Journal of Experimental Biology* 224:jeb243660.
29. Bajić D, Rebolleda-Gómez M, **Muñoz MM**, Sánchez Á. 2021. The macroevolutionary consequences of niche construction in microbial metabolism. *Frontiers in Microbiology* 12:718082.
28. Burress ED³, **Muñoz MM**. 2021. Ecological limits on the decoupling of prey capture and processing in fishes. *Integrative and Comparative Biology* 61:773—782.
27. Bodensteiner BL², Agudelo-Cantero GA, Arietta AZA, Gunderson AR, **Muñoz MM**, Refsnider JF, Gangloff EJ. 2021. Thermal adaptation revisited: how conserved are thermal traits of reptiles of amphibians? *Journal of Experimental Zoology A* 335:173—194.
26. Domínguez-Guerrero SF³, Bodensteiner BL², Pardo-Ramírez A¹, Aguillón-Gutierrez DR, Méndez-de la Cruz FR, **Muñoz MM**. 2021. Thermal physiology responds to interannual temperature shifts in a montane horned lizard, *Phrynosoma orbiculare*. *Journal of Experimental Zoology A* 335:136—145.
25. Camarillo H², **Muñoz MM**. 2020. Weak relationships between swimming morphology and water depth in wrasses and parrotfish belie multiple selective demands on form-function evolution. *Integrative and Comparative Biology* 60:1309—1319.

24. Farallo VR³, **Muñoz MM**, Uyeda JC, Miles DB. 2020. Scaling between macro- to microscale climate data reveals strong phylogenetic inertia in niche evolution in plethodontid salamanders. *Evolution* 74:979—991. [*Issue cover image](#)
23. **Muñoz MM**, Price SA. 2019. The future is bright for evolutionary morphology and biomechanics in the era of big data. *Integrative and Comparative Biology* 59:599—603.
22. **Muñoz MM**. 2019. The evolutionary dynamics of mechanically complex systems. *Integrative and Comparative Biology* 59:705—715.
21. Salazar JC¹, Castañeda MR, Londoño GA, Bodensteiner BL², **Muñoz MM**. 2019. Physiological evolution during adaptive radiation: A test of the island effect in *Anolis* lizards. *Evolution* 73:1241—1252. [*Issue cover image](#)
20. Kuo C-Y, **Muñoz MM**, Irschick DJ. 2019. Lizard foraging: A perspective integrating sensory ecology and life history. Pp. 87—106 in **Behavior of Lizards: Evolutionary and Mechanistic Perspectives** (VL Bels & AP Russell, Eds.) Taylor and Francis Publishing; Abingdon, UK.
19. **Muñoz MM**, Bodensteiner BL². 2019. Janzen’s hypothesis meets the Bogert effect: Connecting climatic variation, thermoregulatory behavior, and rates of physiological evolution. *Integrative Organismal Biology* 1:oby002.
18. Domínguez-Guerrero S³, **Muñoz MM**, Pasten-Téllez D¹, Arenas-Moreno D, Rodríguez-Miranda L, Manríquez-Morán N, Méndez de la Cruz F. 2019. Interactions between thermoregulatory behavior and physiological acclimatization in a wild lizard population. *Journal of Thermal Biology* 79:135—143.
17. **Muñoz MM**, Hu Y, Anderson PSL, Patek SN. 2018. Strong mechanical relationships bias the tempo and mode of morphological evolution. *eLife* 7:e37621.
16. Boronow KE, Shields IH¹, **Muñoz MM**. 2018. Parallel behavioral divergence with macrohabitat in *Anolis* (Squamata: Dactyloidae) lizards from the Dominican Republic. *Breviora* 561:1—17.
15. **Muñoz MM**, Losos JB. 2018. Thermoregulatory behavior simultaneously promotes and forestalls evolution in a tropical lizard. *American Naturalist* 191:E15—E26.
14. **Muñoz MM**, Anderson PSL, Patek SN. 2017. Mechanical sensitivity and the dynamics of evolutionary rate shifts in biomechanical systems. *Proceedings of the Royal Society, B* 284:20162325.
13. **Muñoz MM**, Langham GM, Brandley MC, Williams SE, Moritz C. 2016. Basking behavior predicts the evolution of heat tolerance in Australian rainforest lizards. *Evolution* 70:2537—2549.

12. **Muñoz MM**, Moritz C. 2016. Adaptation to a changing world: Evolutionary resilience to climate change. Pp. 238—252 in **How Evolution Shapes Our Lives: Essays on Biology and Society**. (JB Losos & RE Lenski, Eds.) Princeton University Press, Princeton, NJ.
11. Phillips BL, **Muñoz MM**, Hatcher A, Macdonald S, Llewelyn J, Lucy V, Moritz C. 2016. Heat hardening in a tropical lizard: geographic variation explained by the predictability and variance in environmental temperatures. *Functional Ecology* 30: 1161—1168.
10. Conover AE⁴, Cook EG¹, Boronow KE, **Muñoz MM**. 2015. Effects of ectoparasitism on behavioral thermoregulation in the tropical lizards, *Anolis cybotes* (Squamata: Dactyloidae) and *A. armouri* (Squamata: Dactyloidae). *Breviora* 545:1—13.
9. **Muñoz MM**, Crandell KE, Campbell-Staton S, Fenstermacher K, Kim H, Van Middlesworth P, Sasa M, Losos JB, Herrel A. 2015. Multiple paths to aquatic specialization in four species of Central American aquatic *Anolis* lizards. *Journal of Natural History* 49:1717—1730.
7. **Muñoz MM**, Wegener JE, Algar AC. 2014. Untangling intra- and interspecific effects on body size clines reveal divergent processes structuring convergent patterns in *Anolis* lizards. *American Naturalist* 184:636—646.
6. **Muñoz MM**, Stimola MA¹, Algar AC, Conover A⁴, Rodriguez A¹, Landestoy MA, Bakken GS, Losos JB. 2014. Evolutionary stasis and lability in thermal physiology in a group of tropical lizards. *Proceedings of the Royal Society, B* 281:20132433.
5. **Muñoz MM**, Crawford NG, McGreevy TJ, Messana NJ, Tarvin RD, Revell LJ, Zandvliet RM, Hopwood JM¹, Mock E¹, Schneider AL, Schneider CJ. 2013. Divergence in coloration and ecological speciation in the *Anolis marmoratus* species complex. *Molecular Ecology* 22:2668—2682.
4. **Muñoz MM**, Hewlett J. 2011. Ecological consequences of continual volcanic activity on the lizard, *Anolis lividus*, from Montserrat. *Herpetological Review* 42:160—165.
3. Yamaguchi A, **Muñoz MM**, Bose TO, Oberlander JG, Smith S. 2010. Sexually distinct development of vocal pathways in *Xenopus laevis*. *Developmental Neurobiology* 70:862—874.
2. Crandall ED, Jones EM, **Muñoz MM**, Akinronbi B, Erdmann MV, Barber PH. 2008. Comparative phylogeography of two seastars and their ectosymbionts within the Coral Triangle. *Molecular Ecology* 17:5276—5290.
1. Reitzel AM, Sullivan JC, Brown BK, Chin, DW, Cira EK, Edquist SK, Genco BM, Joseph OC, Kaufman CA, Kovitvongsa K, **Muñoz MM**, Negri TL, Taffel JR, Zuehike RT, Finnerty JR. 2007. Ecological and developmental dynamics of a host-parasite system involving a sea anemone and two ctenophores. *Journal of Parasitology* 93:1392—1402.

EDITED BOOKS AND VOLUMES

2. *Physiology, Behavior, and Evolution: An Integration of Classic Ideas and New Perspectives*. **M.M. Muñoz** and M. Fuxjager, Eds. MIT Press (2026).
1. *De-mystifying the Tangled Bank: Motors and Brakes of Phenotypic Evolution*. **M.M. Muñoz**, Ed. *Current Zoology* Vol. 66, Issue 5 (2020).

KEYNOTES, PLENARIES, AND NAMED LECTURES:

¹Talk was delivered in Spanish

- 2026 New York Area Population Genetics Meeting, Simons Foundation: **Keynote Speaker**
¹XIII Congreso Latinoamericano de Herpetología: **Keynote Speaker**
- 2025 World Economic Forum: **Keynote Speaker & Panelist** for “Climate Resilience: Securing Systems, Sustaining Lives”
 University of Chicago: **Sewall Wright Lecture**
 University of Washington: **Aubrey Gorbman Endowed Lecture**
- 2024 Maine Biological and Medical Sciences Symposium, Bar Harbor: **Keynote Address**
 Darwin Day Festival, Salem State University: **Founder’s Lecture**
- 2023 Stony Brook University: **Darwin Day Living World Lecture**
 Biogeography of Behavior Symposium, Norman, Oklahoma: **Keynote Speaker**
- 2022 Society for Integrative & Comparative Biology: **Bartholomew Award Plenary Speaker**
 Wragg-Schmidt Zoology Spring Symposium, University of British Columbia: **Plenary Speaker**
¹Asociación Colombiana de Herpetología, Cali, Colombia: **Keynote Speaker**
- 2021 Society for Integrative & Comparative Biology: **Gans Award Plenary Speaker**
 Canadian Society of Zoologists annual meeting: **Plenary Speaker**
 Ontario Ecology, Ethology, and Evolution Colloquium: **Plenary Speaker**
 Gordon Research Conference, Ecol. & Evol. Genomics: **Session Keynote** (cancelled)
- 2020 Iowa State University, Ecology & Evolution Symposium: **Keynote Speaker**
- 2019 College of Charleston, School of Science and Mathematics: **Darwin Day Speaker**
- 2017 ¹Association for Amphibian and Reptile Research and Conservation, San Miguel de Allende, México: **Plenary Speaker**

INVITED SYMPOSIUM TALKS & PANELS:

¹Talk was delivered in Spanish

- 2024 Agency, Directionality, & Function: Horizons for Scientific Progress, Georgia Tech, Panelist
 Yale Blue Green Sustainability Initiative, Panelist
- 2023 Herchel Smith Symposium, Alumni Panel, Harvard University, Cambridge, MA
- 2022 European Society for Evolutionary Biology, Prague, Czech Republic
- 2021 Society for the Study of Evolution, 75th Anniversary Symposium, Digital Meeting
 Yale Climate Day 2021, Yale Institute for Biospheric Studies, Digital Meeting
 Society for Integrative and Comparative Biology, Digital Panel
 Intersections Science Fellows Symposium, Yale University, Digital Panel

- 2020 Society for Integrative and Comparative Biology, Austin, TX
Joint Meeting of Ichthyology and Herpetology, Norfolk, VA (meeting cancelled)
- 2019 International Congress of Vertebrate Morphology, Prague, Czech Republic
Joint Meeting of Ichthyology and Herpetology, Snowbird, UT
North American Paleontological Conference, Riverside, CA
- 2017 American Society of Naturalists Young Investigator Award, Portland, OR
¹Latin American Herpetology, Quito, Ecuador
- 2013 Biological Impacts of Tropical Warming for Ectotherms, San Juan, Puerto Rico

CONFERENCES, WORKING GROUPS, & SYMPOSIA ORGANIZED:

- 2026 **Society for Integrative and Comparative Biology:** “Spotlighting the role of behavior in a rapidly changing world”; Portland, OR (Co-organizers: Dr. Kimberly Sheldon and Dr. Liz Derryberry)
- 2024 **Measuring and Forecasting Risk Using Thermal Performance Curves:** Working Group & Yale Climate Day Symposium, Yale University, New Haven, CT (Co-organizer: Dr. David Vasseur)
- 2022 **European Society for Evolutionary Biology:** “Inferring macroevolutionary patterns from microevolutionary processes: methods and practices”; Prague, CZ (Co-organizers: Dr. Masahito Tsuboi, Dr. Lee Hsiang Liow)
- 2021 **Society for Integrative and Comparative Biology:** “Honoring the Life and Legacy of Dr. George Gilchrist”; Digital Meeting (Co-organizer: Dr. Cam Ghalambor)
- 2020 **ASN/SSB/SSE Evolution Meeting:** Spotlight Session: “The Role of Behavior in Evolution”; Cleveland, OH (meeting cancelled due to COVID-19)
- 2019 **Society for Integrative and Comparative Biology:** “Comparative Evolutionary Morphology and Biomechanics in the Era of Big Data”; Tampa, FL (Co-organizer: Dr. Sam Price)
- 2018 **ASN/SSB/SSE Evolution Meeting:** “The Macroevolutionary Dynamics of Form-Function Relationships”; Montpellier, France. (Co-organizers: Dr. Josef Uyeda, Dr. Christine Böhmer, Dr. Brandon Kilbourne, Dr. Alexandra Houssaye)
- 2017 **Society for Integrative and Comparative Biology Southeast Regional Meeting:** Virginia Tech; Blacksburg, VA. (Co-organizer: Dr. Hodjat Pendar)

INVITED SEMINARS AND TALKS:

¹Denotes that talk was delivered in Spanish.

- 2026 Lakehead University, Thunder Bay, Ontario, Canada
¹Ciencia Puerto Rico: Semillas de Triunfo, Digital Seminar
Seeds of Success New Haven, Digital Seminar
Bulldog Days Master Class, Yale University
- 2025 Cornell University, College of Veterinary Medicine, Department of Biomedical Sciences
Columbia University, Columbia Evolution Supergroup
Yale Club of San Diego
Bulldog Days Master Class, Yale University
Swarthmore College, Department of Biology

- Yale University, Jackson School of Global Affairs, Greenberg World Fellows Program
¹Yale Peabody Museum, Atwater Center Elders' Breakfast
- 2024 University of California Santa Cruz, Department of Ecology and Evolutionary Biology
 Vanderbilt University, Evolutionary Studies Initiative
 Yale Club of Washington D.C.
 Research at Yale Speaker Series, Yale University
 Universidade de São Paulo, Instituto de Biociências, São Paulo, Brazil
 National Institute of Amazonian Research (INPA), Manaus, Brazil
 Bulldog Days Master Class, Yale University
- 2023 Columbia University, Department of Biological Sciences, **Graduate Student Invited Speaker*
 University of Arizona, Department of Ecology and Evolutionary Biology
 American Museum of Natural History, New York City
 Queens College, City University of New York, Department of Biology
 Bryn Mawr College, Department of Biology
 Princeton University, Department of Ecology and Evolutionary Biology
 Colorado State University, Department of Biology
 Ohio Wesleyan University, Department of Biological Sciences
 Bulldog Days Master Class, Yale University
 Whitney Center Lecture Series, Hamden, CT
- 2022 University of Cambridge, Behaviour, Ecology, and Evolution Series, Cambridge, UK
¹Museo Nacional de Historia Natural, Santo Domingo, Dominican Republic
 Wilhelminenberg Seminar, Konrad Lorenz Institute of Ethology, Vienna, Austria
 University of Toronto, Department of Ecology and Evolutionary Biology
 University of Connecticut, Department of Ecology and Evolutionary Biology
 University of Massachusetts-Amherst, Organismic and Evolutionary Biology Program
 University of Miami, Department of Biology
 Earth Day Speaker, CUNY Hostos Community College, Bronx, NY
 Boston University, Department of Biology
 University of Colorado Denver, Department of Integrative Biology
 UC Berkeley, Department of Integrative Biology
 UC Berkeley, Museum of Vertebrate Zoology, **Graduate Student Invited Speaker*
- 2021 Princeton University, Ecology and Evolutionary Biology Colloquium Series
 Musée National d'Histoire Naturelle; Paris, France
 Max Planck Institute of Animal Behavior; Radolfzell, Germany
 Universidad Rey Juan Carlos; Departamento de Biología y Geología, Madrid, Spain
 University of Bath, Milner Centre for Evolution Seminar Series; Bath, UK
 University of Bristol, School of Earth Sciences; Bristol, UK
 University of Konstanz, Department of Biology, Konstanz, Germany
 University of Melbourne/The Australian National University Joint Digital Seminar Series
 UC Riverside, Department of Evolution, Ecology, and Organismal Biology
 UCLA, Department of Ecology and Evolutionary Biology
 McMaster University, Department of Biology, Hamilton, Ontario, Canada
 Michigan State University, Department of Integrative Biology
 Science Talks at Tilde Café, Public Lecture Series, Branford, CT

- Auburn University, Department of Biological Sciences
 University of Massachusetts, Lowell, Department of Biological Sciences
 Louisiana State University, Museum of Natural Sciences
 University of Oregon, The Institute of Ecology and Evolution
 Notre Dame of Maryland University, Biology Department
 University of Texas, Arlington, Department of Biology
- 2020 Cornell University, Department of Ecology and Evolutionary Biology
 Brown University, Department of Ecology and Evolutionary Biology
 University of Georgia, Department of Genetics
 University of Tennessee, Knoxville, Department of Ecology and Evolutionary Biology
 Loyola University, Department of Biology
 EvoEcoSeminars, Digital Seminar Series for Evolution and Ecology
 Washington University in St. Louis, Tyson Research Center
 Rockefeller University, Center for Physics and Biology
 University of California, Irvine, EEB, **Graduate Student Invited Speaker*
 University of Bern, Institute of Ecology and Evolution; Bern, Switzerland
 Swiss Federal Institute of Aquatic Science and Technology; Lucerne, Switzerland
 University of Massachusetts, Boston, Department of Biology
- 2019 Harvard University, Organismic & Evolutionary Biology, **Graduate Student Invited Speaker*
 Yale University, Department of Biomedical Engineering
 Yale University, Yale Institute for Biospheric Studies
 University of Pittsburgh, Department of Biological Sciences
 University of Chicago, Department of Ecology and Evolution
 Yale University, Department of Ecology & Evolutionary Biology
 University of Wisconsin-Madison, Department of Integrative Biology
 Christopher Newport University, Department of Organismal and Environmental Biology
- 2018 Purdue University, Department of Biological Sciences
 University of Florida, Department of Biology
 Case Western Reserve University, Department of Biology
 Mountain Lake Biological Station, University of Virginia
 University of Idaho, Department of Biological Sciences
 University of Chicago, Committee on Evolutionary Bio., Evolutionary Morphology Series
- 2017 Duke University, Department of Biology, Population Biology Seminar Series
 University of Virginia, Department of Biology
 Ohio University, Department of Biological Sciences
 University of North Carolina, Chapel Hill, Biology Department
- 2016 Duke University, Department of Biology, University Program in Ecology Seminar Series
 Virginia Tech, Department of Biological Sciences
 University of North Carolina, Asheville, Department of Biology
 East Carolina University, Department of Biology
- 2015 The Australian National University, Division of Ecology and Evolution
- 2014 James Cook University, Centre for Tropical Biodiversity and Climate Change
 University of Arizona, Department of Ecology & Evolutionary Biology, Lunch Seminar
 Union College, Department of Biology

- 2012 Indiana State University, Department of Biology
Harvard Museum of Natural History, 'Topics in Evolution' Public Lecture Series
- 2010 Buffalo State College, Women in Science and Math Lecture Series

CONFERENCE PRESENTATIONS:

I. Contributed Talks (as Presenting Author)

- 2024 ASN/SSB/SSE Evolution Meeting, Montreal, Canada
- 2021 Max Planck-Yale Center for Biodiversity Digital Conference
- 2020 ASN/SSB/SSE Evolution Meeting, Cleveland, OH (cancelled)
- 2019 Society for Integrative and Comparative Biology, Tampa, FL (2 talks)
- 2018 Society for Integrative and Comparative Biology, San Francisco, CA
Society for Integrative and Comparative Biology, Regional Meeting, Clemson, SC
- 2017 Society for Integrative and Comparative Biology, Regional Meeting, Blacksburg, VA
Society for Integrative and Comparative Biology, New Orleans, LA
- 2016 Society for Integrative and Comparative Biology, Regional Meeting, Durham, NC
Society for Integrative and Comparative Biology, Portland, OR
- 2015 Australian Society of Herpetologists, Eildon, Australia
- 2014 ASN/SSB/SSE Evolution Meeting, Raleigh, NC
Society for Integrative and Comparative Biology, Austin, TX
- 2013 ASN/SSB/SSE Evolution Meeting, Snowbird, UT
Society for Integrative and Comparative Biology, San Francisco, CA
- 2012 Society for Integrative and Comparative Biology, Charleston, SC
- 2009 Society for Integrative and Comparative Biology, Boston, MA
- 2008 Latin American Herpetology Conference, Varadero, Cuba
William J. Fulbright Research Conference, Valencia, Spain
- 2006 ASN/SSB/SSE Evolution Meeting, Stony Brook, NY
Boston University Undergraduate Research Symposium, Boston, MA
- 2005 Young Scientist Symposium, Woods Hole Oceanographic Institute, Woods Hole, MA

II. Contributed Talks/Posters with Student, Postdoc, or Collaborator as Presenting Author

- 2026 Society for Integrative and Comparative Biology, Atlanta, GA (1 talk, 1 poster)
XIII Congreso Latinoamericano de Herpetología, San José, Costa Rica (1 talk, 1 poster)
- 2025 ASN/SSB/SSE Evolution Meeting, Athens, GA (3 talks)
Altenberg Workshop in Theoretical Biology, Vienna, Austria (1 poster)
Society for Integrative and Comparative Biology, Atlanta, GA (8 talks, 4 posters)
XX Congreso Internacional de Investigación Científica, Santo Domingo, DR (1 talk)
XI Congreso Brasileiro de Herpetología, Manaus, Brazil (1 talk)
Joint Meeting of Ichthyologists and Herpetologists, Saint Paul, MN (1 talk)
XVII Reunión Nacional de Herpetología; Mérida, Mexico (1 talk)
- 2024 ASN/SSB/SSE Evolution Meeting, Montreal, Canada (3 talks)
XIX Congreso Internacional de Investigación Científica, Santo Domingo, DR (1 talk)
Northeast Regional SICB Meeting; Cambridge, MA (2 talks)

- Society for the Study of Amphibians and Reptiles, Ann Arbor, MI (1 talk)
 Brazilian Congress of Evolutionary Biology, Curitiba, Brazil (1 talk)
 Society for Integrative and Comparative Biology, Seattle, WA (6 talks, 5 posters)
 World Congress of Herpetology, Sarawak, Borneo (3 talks)
 2023 ASN/SSB/SSE Evolution Meeting, Albuquerque, NM (4 talks)
 Society for Systematic Biology Meeting, UNAM, Instituto de Biología, Mexico (1 talk)
 Australian Society of Herpetologists, Townsville, Australia (1 talk)
 Yale Evo-Devo Summit, New Haven, CT (1 talk)
 Joint Meeting of Ichthyologists and Herpetologists, Norfolk, VA (1 talk)
 Southeast Regional SICB Meeting; Blacksburg, VA (1 poster)
 Conference on the Biology of Plethodontid Salamanders, Hammond, LA (1 talk)
 Society for Integrative and Comparative Biology, Austin, TX (4 talks, 3 posters)
 Northeast Regional SICB Meeting; Medford, MA (2 talks)
 2022 Gordon Research Seminar: Unifying Ecology Across Scales (1 talk)
 ASN/SSB/SSE Evolution Meeting, Cleveland, OH (1 talk, 2 posters)
 Society for Integrative and Comparative Biology, Phoenix, AZ (3 talks)
 2021 ASN/SSB/SSE Evolution Meeting, Digital Meeting (1 talk)
 2020 World Congress of Herpetology, Dunedin, New Zealand (1 talk)
 Society for Integrative and Comparative Biology, Austin, TX (2 talks; 1 poster)
 2019 Society for Integrative and Comparative Biology, Tampa, FL (2 talks)
 ASN/SSB/SSE Evolution Meeting, Providence, RI (2 talks)
 2013 Society for Integrative and Comparative Biology, San Francisco (1 talk, 1 poster)
 2012 Society for Integrative and Comparative Biology, Charleston, SC (1 talk)

TEACHING:

Department of Ecology & Evolutionary Biology, Yale University

- 2026 Phylogenetic Comparative Methods (E&EB 7500)
 2025 Life in Motion: Ecological and Evolutionary Physiology (E&EB 2295)
 2025 Macroevolution of Squamates (E&EB 850)
 2024 Life in Motion: Ecological and Evolutionary Physiology (E&EB 295)
 2023 Advanced Topics (E&EB 501)
 2022 Life in Motion: Ecological and Evolutionary Physiology (E&EB 295)
 2022 Evolutionary Architects: Organisms as Targets and Agents of Natural Selection (E&EB 865)
 2021 Adaptive Radiation (E&EB 834)
 2020 Life in Motion: Ecological and Evolutionary Physiology (E&EB 295)
 2020 Evolutionary Biology (E&EB 225)
 2019 Life in the Anthropocene (E&EB 804)

Department of Biological Sciences, Virginia Tech

- 2019 Evolutionary Biology (BIOL 2704)
 2018 Life in the Anthropocene (BIOL 5984)
 2018 Evolutionary Biology (BIOL 2704)

STUDENT AND POSTDOC ADVISING:**a. Doctoral Students**

- 2023- Isabela Hernández-Rodríguez (Ph.D. candidate)
 2021- Nathalie Alomar (Ph.D. candidate), NSF GRFP Fellowship
 2020- Júlia Laterza Barbosa (Ph.D. candidate)
 2018- Henry Camarillo (Ph.D. candidate), Ford Foundation Fellow, Konrad Lorenz Institute Graduate Fellow
 2017-2024 Brooke Bodensteiner (Ph.D. “Thermal physiological evolution across scales: the factors shaping lizard trait evolution”; Spangler Prize for best EEB dissertation)
Current Position: Postdoctoral Researcher; University of Alabama, Tuscaloosa.

b. Postdoctoral Researchers

- 2025- Dr. Brian Waldron; Yale Endowed Postdoctoral Fellow
 2021- Dr. Laura R.V. Alencar
 2021- Dr. Saúl F. Domínguez-Guerrero; Yale Endowed Postdoctoral Fellow, Yale G. Evelyn Hutchinson Postdoctoral Fellow
 2025-2026 Dr. Raúl Araya-Donoso (*Current Position:* Assistant Professor, Universidad Católica del Maule, Chile)
 2022-2024 Dr. Sina Rometsch; Yale Donnelley Postdoctoral Fellow (*Current Position:* Senior Scientist, University Hospital of Ulm, Germany)
 2020-2022 Dr. Edward D. Burress (*Current Position:* Assistant Professor, University of Alabama, Tuscaloosa, Department of Biological Sciences)
 2021-2022 Dr. Meaghan Gade (*Current Position:* Sustainability Specialist, Arcadis)
 2020-2021 Dr. Sarah T. Friedman; Hutchinson Fellow (*Current Position:* Research Fish Biologist, NOAA Fisheries, Seattle)
 2017-2020 Dr. Vincent R. Farallo (*Current Position:* Associate Professor, University of Scranton, Biology Department)

c. Visiting Students

- 2026 Marcos Valle Cabo (Ph.D. student; Universidad Rey Juan Carlos, Spain)
 2023-2024 Raíssa Rainha (Ph.D. candidate; INPA, Brazil) – Fulbright student
 2018-2020 Saúl Domínguez (Ph.D. candidate; Universidad Nacional Autónoma de México)
 2017 Jhan Carlos Salazar (Undergraduate; Universidad ICESI, Cali, Colombia)

d. Doctoral Student Committees

- 2024- Chase Brownstein, Yale University, Ecology & Evolutionary Biology
 2023- Arata Honda, Yale University, Ecology & Evolutionary Biology
 2022- Noah Houpt, Yale University, Ecology & Evolutionary Biology
 2022- Julia Wood, Yale University, Ecology & Evolutionary Biology
 2022- Alison Robey, Yale University, Ecology & Evolutionary Biology
 2021- Richard Li, Yale University, Ecology & Evolutionary Biology
 2022-2026 Shubhi Sharma, Yale University, Ecology & Evolutionary Biology
 2022-2025 Dalton Meyer, Yale University, Earth & Planetary Sciences

2020-2025	Yara Alshwairikh, Yale University, Yale School of the Environment
2021-2024	Diego Ellis Soto, Yale University, Ecology & Evolutionary Biology
2019-2024	Liam Taylor, Yale University, Ecology & Evolutionary Biology
2019-2024	Jasmine Mah, Yale University, Ecology & Evolutionary Biology
2019-2024	Kelsey Jenkins, Yale University, Earth & Planetary Sciences
2020-2024	Ava Ghezelayagh, Yale University, Ecology & Evolutionary Biology
2019-2022	Michael Hanson, Yale University, Earth & Planetary Sciences
2017-2019	Jack Whitehead, Virginia Tech, Department of Biological Sciences

e. Masters Student Committees

2020-2021	Dahn-Young Dong, Yale University, Yale School of the Environment
2018-2020	Sean Kelly, Virginia Tech, Department of Biological Sciences

f. Doctoral Student Committees – External Member

2026-	Emily Blackwell, New York University, Department of Biology
2023-	Isabella Burger, University of North Carolina-Chapel Hill, Department of Biology
2022-	Elizabeth Daniel Tarimo, Virginia Tech, Department of Biological Sciences
2021-2025	Morgan Muell, Auburn University, Department of Biological Sciences
2020-2026	Renoir Auguste, University of the West Indies, St. Augustine, Trinidad & Tobago
2019-2021	Jonathan Rader, University of North Carolina-Chapel Hill, Department of Biology

g. Undergraduate and High School Mentees

¹Senior Thesis Mentee; ²Publication co-author; ³Student presented at a conference

2026	Piero Bello De Lillo (UASD, Dominican Republic), YIBS SURES Student
2026	Paris Williams (Florida A&M University) Yale SURF Student
2025-2026	^{1,3} Lila Salazar (Yale University)
2025	Echo Simons (Yale University)
2025	Josie Marks (Yale University), Yale Peabody Museum Summer Intern
2025	Laura Rosario Sánchez (UASD, Dominican Republic), YIBS SURES Student
2024-2025	¹ Sean Liu (Yale University)
2024-2025	^{1,3} Maya Li (Yale University)
2024	Kalisa Vásquez Minas (Yale University), Yale Peabody Museum Summer Intern
2024	³ Reveca Ramírez Gómez (UASD, Dominican Republic), YIBS SURES Student
2024	³ Bianka Sanó Pérez (UASD, Dominican Republic), YIBS SURES Student
2023-2024	² Alika Kawana Ting (Yale University)
2023-2024	^{2,3} Jane Chen (Yale University), Yale Peabody Museum Summer Intern
2023-2024	¹ Lolyn Tejeda Lemus (Yale University)
2023-2024	³ Aida Mohd Khairi (University of New Haven), YIBS SURES Student
2023-2024	³ Raymond Fedrick (Yale University)
2023	³ Sarah Carnes (University of Georgia), NSF REU Scholar
2023	³ Kyle (Jesse) Moxley (University of Texas at Austin), NSF REU Scholar
2023	¹ Erika Méndez (Yale University)
2022-2023	^{1,2} Kiran Masroor (Yale University)
2022-2023	^{1,2,3} Emmy James (Yale University), YPM Summer Intern, Liem Award Finalist (SICB)

2022	³ Aha Anderson (Bryn Mawr College), NSF REU Scholar
2022	Jessica Coutee (University of Maryland, Baltimore County), Yale NSF REVU Scholar
2022	³ Jesús Buenrostro (Heritage University), YIBS SURES Student
2021-2024	¹ Rosemary Lee (Yale University)
2021-2022	Alice Xu (Amity Regional High School, CT)
2021-2022	¹ Leo Roberts (Yale University)
2021-2022	Tasman Rosenfeld (Yale University)
2021-2022	Lauren Chong (Yale University)
2020-2022	^{1,3} Christine Ho (Yale University)
2019-2021	¹ Christian Milian (Yale University)
2019-2020	¹ Marcus Lau (Bronx High School of Science, NYC)
2018-2019	Emma White (Virginia Tech)
2017-2019	Michelle Cox (Virginia Tech)
2016-2017	Riya Dange (Duke University)
2012-2014	^{1,2} Ian Shields (Harvard University)
2012-2013	^{2,3} Ellee Cook (Trinity University)
2012-2013	^{2,3} Maureen Stimola (Columbia University)
2011-2013	^{1,2,3} Asa Conover (Stuyvesant High School, NYC)
2011-2012	² Anthony Rodriguez (UC Davis)
2009-2011	² Juanita Madrid Hopwood (Harvard University)
2009	² Elbert Mock (UC Davis)

h. Yale E&EB Rotation Students Hosted

2022	Alison Robey; Vasseur Lab
2022	Julia Wood; Near Lab

i. External Dissertation Examiner or Qualifying Examiner

2023	Marvin Moosmann, University of Bern, Switzerland (Dissertation Examiner)
2022	Estefany Guevara Molina, Universidade de São Paulo, Brazil (Qualifying Examiner)
2022	Rodolfo Anderson, Monash University, Australia (Dissertation Examiner)

SCIENTIFIC LEADERSHIP AND SERVICE:

I. JOURNAL EDITOR

2022-	<i>American Naturalist</i> : Associate Editor
2021-2022	<i>Integrative Organismal Biology</i> : Associate Editor
2020	<i>Current Zoology</i> : Guest Editor for Special Column: <i>De-Mystifying the Tangled Bank: Motors and Brakes of Phenotypic Evolution</i>

II. UNIVERSITY SERVICE

Department of Ecology & Evolutionary Biology

2025-2026	E&EB Leave Proposal Review Committee
2024-2025	E&EB Faculty Search Committee ('Vertebrate Functional Biology' Search) Review Committee: Promotion to Senior Lecturer II
2022-2023	Interim Director of Graduate Studies (Spring 2023)

	E&EB Diversity and Climate Committee
	Review Committee: Promotion to Senior Lecturer II
	E&EB Graduate Student Entry Committee
	E&EB Graduate Student Admissions Committee
2021-2022	E&EB Faculty Search Committee ('Natural Carbon Capture' Search)
	Faculty Mentor for E&EB Sophomores
2020-2021	E&EB Faculty Search Committee ('Ecology & Evolution' Search)
	E&EB Diversity and Climate Committee
	First-Year Graduate Student Advisory Committee
	Faculty Mentor for E&EB Sophomores
	E&EB Seminar Series Organizer
2019-2020	Undergraduate Curriculum Committee

Yale Institute for Biospheric Studies (YIBS)

2026	Co-Organizer; Biodiversity Day (in collaboration with Yale Planetary Solutions)
2025	Co-Director; Summer Undergraduate Research in the Environmental Sciences (SURES) Program
2024	Co-Organizer; Yale Climate Day
2024	Review Committee; Bass Distinguished Visiting Environmental Scholars Program
2023	Review Committee; Seed Grants in Climate and Climate Change
2020	Review Committee; Graduate Fellowships
2020	Review Committee; Hutchinson Fellowship

Yale Peabody Museum

2025	New Haven Public Schools Teacher Workshop; Keynote Speaker
2024	Fiesta Latina: Muñoz Lab "Ask a Scientist" Booth
2023	Search Committee: YPM Assistant Director of Education & Outreach

Yale College

2025	Chair of the Search Committee for the JE Head of College
2025	First-Year Scholars at Yale Program; Faculty Perspectives Speaker
2025	Annual Postdoctoral Recruitment Event; Panelist
2023	Reviewer; Dean's Fellowship
2022	Head of College Search Committee; Jonathan Edwards College
2021-2023	First-Year Advisor; Jonathan Edwards College
2021	Reviewer; Dean's Fellowship
2020	Reviewer; Henry Edwards Ellsworth Prize; Jonathan Edwards College
2020	Reviewer; Rosenfeld Science Scholars Program; Yale College
2019-2024	Resident Fellow, Jonathan Edwards College

III. SOCIETY LEADERSHIP & SERVICE

AMERICAN SOCIETY OF NATURALISTS

2027	Vice President
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2026 Vice President Elect
2025 Chair, Early Career Investigator Award Committee
2024 Early Career Investigator Award Committee
2023 Early Career Investigator Award Committee

SOCIETY FOR THE STUDY OF EVOLUTION

2024-2026 SSE Council Member (Finance Committee)
2024 Reviewer, Graduate Research Excellence Grants (GREG)

SOCIETY FOR INTEGRATIVE AND COMPARATIVE BIOLOGY

2022 Bartholomew Award Committee; Division of Comparative Physiology & Biochemistry
2022-2023 Program Officer, Division of Ecology and Evolution
2019-2020 Secretary, Division of Ecology and Evolution
2017-2021 Public Affairs Committee
2016-2018 Huey Award Committee, Division of Ecology and Evolution
2016-2017 Broadening Participation Committee – Mentor

AMERICAN SOCIETY OF ICHTHYOLOGISTS AND HERPETOLOGISTS

2025-2029 Board of Governors, Class of 2029

IV. SCIENTIFIC REVIEW AND PANEL SERVICE:

FEDERAL & INDEPENDENT AGENCIES (AD HOC REVIEWS)

National Geographic Society, National Science Foundation DEB & IOS, National Environment Research Council (UK)

NATIONAL SCIENCE FOUNDATION PANELS

DEB Dimensions of Biodiversity, DEB Evolutionary Processes, IOS Physiological Mechanisms and Biomechanics, DEB Systematics and Biodiversity Science, IOS Behavioral Systems Cluster

V. PROFESSIONAL MEMBERSHIP:

American Association for the Advancement of Science; American Society of Ichthyologists and Herpetologists; American Society of Naturalists; Society for the Study of Evolution; Society for Integrative and Comparative Biology; Sigma Xi