

CURRICULUM VITAE

**MARTHA MONICA 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:**

- 2021- **Assistant Curator of Vertebrate Zoology**, Yale Peabody Museum of Natural History  
2019- **Assistant Professor**  
Department of Ecology and Evolutionary Biology, Yale University  
Affiliate Faculty, Yale Institute for Biospheric Studies  
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, The Australian National University  
2007-2008 **Fulbright Research Scholar**  
National Museum of Natural Sciences, Madrid

**SELECTED HONORS AND AWARDS**

- 2020 Carl Gans Award, Society for Integrative and Comparative Biology  
2019 'Scientist to Watch', *The Scientist* Magazine  
2019 Boston University Department of Biology: Distinguished Alumni 'Rising Star' Award  
2017 Young Investigator Award, American Society of Naturalists  
2014 Raymond Huey Best Student Talk, Society for Integrative and Comparative Biology  
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  
2003 National Hispanic Merit Scholar

**FELLOWSHIPS AWARDED**

- 2017 Foerster-Bernstein Postdoctoral Fellowship, Duke University (declined)  
2014 National Science Foundation, Postdoctoral Research Fellowship (declined)  
2013 John Parker Merit Fellowship, Harvard University  
2012 Robert A. Chapman Memorial Fellowship, Harvard University

2010 National Science Foundation, Graduate Research Fellowship  
 2008 Herchel Smith Graduate Fellowship, Harvard University  
 2007 William J. Fulbright Research Fellowship, Spain

### FUNDED GRANTS:

2020 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, \$983,227 (Lead PI)  
 2020 John Templeton Foundation: De-mystifying the tangled bank: integrating macroevolutionary and mechanistic landscape approaches across scales of organization, \$799,641 (Lead PI)  
 2018 National Science Foundation, IOS-1839250, Rules of Life:FELS: Conference Grant: Evolutionary biomechanics in the era of big data, \$21,868 (PI)  
 2018 Global Change Center Seed Grant, Virginia Tech, \$19,810 (co-PI)  
 2012 National Science Foundation, Doctoral Dissertation Improvement Grant, \$14,999  
 2012 Sigma Xi Grant-In-Aid, \$500  
 2012 Ken B. Miyata Expedition Grant, Harvard University, \$9,100  
 2012 David Rockefeller Center for Latin American Studies Grant, Harvard, \$1,500  
 2010 George Putnam Expedition Grant, Harvard University, \$9,700  
 2008 Ken B. Miyata Expedition Grant, Harvard University, \$5,260

### PROPOSALS UNDER CONSIDERATION:

“The evolution of phenotypic plasticity in thermal biology: from underlying mechanisms to ecological consequences” National Science Foundation, IOS-Rules of Life; co-PI

“Niche width evolution and the assembly of faunas” National Science Foundation, DEB-Bridging Ecology and Evolution; co-PI

### PUBLICATIONS:

<sup>1</sup>Undergraduate Mentee; <sup>2</sup>Graduate Student; <sup>3</sup>Postdoctoral Researcher; <sup>4</sup>High School Mentee; <sup>5</sup>Visiting Graduate Student

**Metrics:** 597 citations; H-index=11; i10-index=14

30. Burress ED<sup>3</sup>, **Muñoz MM**. Ecological opportunity from innovation, not islands, drove the anole lizard adaptive radiation. (in review)
29. Domínguez-Guerrero SF<sup>5</sup>, 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**. Exceptional parallelisms characterize the evolutionary transition to live birth in phrynosomatid lizards. (in review)

28. **Muñoz MM**, Feeley KJ, Martin PM, Farallo VR<sup>3</sup>. Climate warming simultaneously confers benefits and costs in a group of montane tropical lizards. (in review)
27. Bodensteiner BL<sup>2</sup>, Agudelo-Cantero GA, Arietta AZA, Gunderson AR, **Muñoz MM**, Refsnider JF, Gangloff EJ. 2020. Thermal adaptation revisited: how conserved are thermal traits of reptiles of amphibians? *Journal of Experimental Zoology A*
26. Domínguez-Guerrero SF<sup>5</sup>, Bodensteiner BL<sup>2</sup>, Pardo-Ramírez A, Aguilón-Gutierrez DR, Méndez-de la Cruz FR, **Muñoz MM**. 2020. Thermal physiology responds to interannual temperature shifts in a montane horned lizard, *Phrynosoma orbiculare*. *Journal of Experimental Zoology A*
25. Camarillo H<sup>2</sup>, **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 VR<sup>3</sup>, **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 JC<sup>1</sup>, Castañeda MR, Londoño GA, Bodensteiner BL<sup>2</sup>, **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 BL<sup>2</sup>. 2019. Janzen's hypothesis meets the Bogert effect: Connecting climatic variation, thermoregulatory behavior, and rates of physiological evolution. 2019. *Integrative Organismal Biology* 1:oby002. \*Invited contribution for inaugural issue
18. Domínguez-Guerrero S<sup>5</sup>, **Muñoz MM**, Pasten-Téllez D, 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 IH<sup>1</sup>, **Muñoz MM**. 2018. Parallel behavioral divergence with microhabitat 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 AE<sup>4</sup>, Cook EG<sup>1</sup>, 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.
8. **Muñoz MM**. 2015. The London Baedeker for the Darwin enthusiast. *Evolution: Education and Outreach* 8:1.
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 MA<sup>1</sup>, Algar AC, Conover A<sup>4</sup>, Rodriguez A<sup>1</sup>, 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 JM<sup>1</sup>, Mock E<sup>1</sup>, 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.

#### KEYNOTES & PLENARIES:

- 2021 Society for Integrative & Comparative Biology: **Gans Award Plenary Speaker**  
 Canadian Society of Zoologists annual meeting: **Plenary Symposium Speaker**  
 Ontario Ecology, Ethology, and Evolution Colloquium: **Plenary Speaker**  
 Gordon Research Conference, Ecol. & Evol. Genomics: **Session Keynote** (postponed)
- 2020 Iowa State University, Ecology & Evolution Symposium: **Keynote Speaker**
- 2019 College of Charleston, School of Science and Mathematics: **Darwin Day Speaker**
- 2017 Association for Amphibian and Reptile Research and Conservation, San Miguel de Allende, México: **Plenary Speaker** (Delivered in Spanish)

#### INVITED SYMPOSIUM TALKS & PANELS:

- 2022 European Society for Evolutionary Biology, Prague, Czech Republic
- 2021 Society for the Study of Evolution, 75<sup>th</sup> Anniversary Symposium, 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  
 Latin American Herpetology, Quito, Ecuador (Delivered in Spanish)
- 2013 Biological Impacts of Tropical Warming for Ectotherms, San Juan, Puerto Rico

**CONFERENCES AND SYMPOSIA ORGANIZED:**

- 2021 **Society for Integrative and Comparative Biology:** Special Session: 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)
- 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:**

- 2021 Princeton University, Ecology and Evolutionary Biology Colloquium Series  
University of Bath (UK); Milner Centre for Evolution Seminar Series  
University of Bristol (UK); School of Earth Sciences  
University of Melbourne (Australia); School of Biological Sciences  
UCLA, Department of Ecology and Evolutionary Biology  
UC Berkeley, Department of Integrative Biology  
UC Berkeley, Museum of Vertebrate Zoology, \*Graduate Student Invited Speaker  
McMaster University (Canada), Department of Biology  
Louisiana State University, Museum of Natural Sciences  
University of Oregon, The Institute of Ecology and Evolution  
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 Bio., \*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 and 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 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 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

### SELECTED MEDIA COVERAGE:

- “(Not) sticking to the science”, *The Women in Ecology and Evolution Podcast*, 12/2020. [\[link\]](#)
- “Martha Muñoz: Uncovering the mechanisms underlying uneven rates of evolution across organisms” by M. McNeely, *People Behind the Science Podcast*, 6/2020. [\[link\]](#)
- “Martha Muñoz uncovers the drivers and dampers of biodiversity” by N. Lanese, *The Scientist Magazine*, 11/2019. [\[link\]](#)
- “Island lizards are expert sunbathers, and researchers find it’s slowing their evolution” by B. Bodensteiner, *Virginia Tech News*, Apr. 2019. [\[link\]](#)
- “Researchers examine how the laws of physics impact evolution” by K. Rose, *Virginia Tech News*, Sept. 2019 [\[link\]](#)
- “Basking behavior reveals vulnerability to climate change” by J. Nowack, *Outside JEB*, 11/2017 [\[link\]](#)
- “Researcher settles decades-old evolutionary biology question by examining Caribbean lizards” by L. Key, *Virginia Tech News*, 10/2017. [\[link\]](#)
- “Lizards in the Caribbean: How geography influences animal evolution” by A. Algar, *University of Nottingham*, 10/2014. [\[link\]](#)

### CONFERENCE PRESENTATIONS:

#### I. Contributed Talks (As Presenting Author)

- 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 Herpetology, 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. Student or Postdoc as Presenting Author

- 2020 World Congress of Herpetology, Dunedin, New Zealand  
Society for Integrative and Comparative Biology, Austin, TX (2 talks)
- 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

## **TEACHING EXPERIENCE:**

### **Department of Ecology and Evolutionary Biology, Yale University, Assistant Professor**

- 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, Assistant Professor**

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

### **Department of Organismic and Evolutionary Biology, Harvard University, Graduate TF**

\*Distinction in Teaching Award from the Derek Bok Center, Harvard University



2013	Adaptive Radiation
2011	Evolutionary Biology* Animal Behavior*
2009	Evolutionary Biology*

## STUDENTS ADVISED AND STUDENT COMMITTEES:

### a. Graduate Students

2020-	Júlia Laterza-Barbosa (Ph.D.)
2018-	Henry Camarillo (Ph.D.)
2017-	Brooke Bodensteiner (Ph.D.)

### b. Postdoctoral Researchers

2020-	Dr. Sarah Friedman
2020-	Dr. Ed Burress
2017-2020	Dr. Vincent Farallo (Assistant Professor, University of Scranton)

### c. Visiting Students

2018-2020	Saúl Domínguez (Ph.D. candidate; Universidad Nacional Autónoma de México)
2017	Jhan Carlos Salazar (Undergraduate; Universidad ICESI, Colombia)

### d. Doctoral Student Committees

2020-	Ava Ghezelayagh, Yale University, Ecology & Evolutionary Biology
2020-	Yara Alshwairikh, Yale University, School of Forestry & Environmental Studies
2019-	Jasmine Mah, Yale University, Ecology & Evolutionary Biology
2019-	Liam Taylor, Yale University, Ecology & Evolutionary Biology
2019-	Michael Hanson, Yale University, Geology & Geophysics
2019-	Kelsey Jenkins, Yale University, Geology & Geophysics
2017-2019	Jack Whitehead, Virginia Tech, Department of Biological Sciences

### e. Masters Student Committees

2020-	Dahn-Young Dong, Yale University, School of Forestry & Environmental Studies
2018-2020	Sean Kelly, Virginia Tech, Department of Biological Sciences

### f. Doctoral Student Committees – External Member

2020-	Renoir Auguste, University of the West Indies, Department of Life Sciences
2019-	Jonathan Rader, UNC-Chapel Hill, Department of Biology
2018-	David Bejarano Bonilla, Universidad del Tolima, Colombia, Facultad de Ciencias

### g. Undergraduate and High School Mentees

\* Denotes that student co-authored a publication; § denotes that student presented at SICB

2020-	Christine Ho (Yale University)
2019-2021	Christian Milian (Yale University)
2019-2020	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	*Ian Shields (Harvard University)
2012-2013	*§Ellee Cook (Trinity University)
2012-2013	*§Maureen Stimola (Columbia University)
2011-2013	*§Asa Conover (Stuyvesant High School, NYC)
2011-2012	*Anthony Rodriguez (UC Davis)
2009-2011	*Juanita Madrid Hopwood (Harvard University)
2009	*Elbert Mock (UC Davis)

## SCIENTIFIC AND SOCIETY SERVICE:

### I. EDITORIAL SERVICE

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 Issue: “De-mystifying the Tangled Bank: Motors and Brakes of Phenotypic Evolution.”

### II. PROFESSIONAL REVIEWING

**Selected Journals:** *American Naturalist*, *Biological Journal of the Linnean Society*, *Biology Letters*, *BMC Evolutionary Biology*, *Current Biology*, *Diversity and Distributions*, *Ecography*, *Ecology*, *Ecology Letters*, *Evolution*, *Evolutionary Biology*, *Functional Ecology*, *Global Ecology and Biogeography*, *Herpetologica*, *Integrative and Comparative Biology*, *Integrative Organismal Biology*, *Journal of Biogeography*, *Journal of Experimental Biology*, *Journal of Morphology*, *Journal of Thermal Biology*, *Molecular Ecology*, *Nature Communications*, *Nature Ecology and Evolution*, *Oecologia*, *Proceedings of the National Academy of Sciences*, *Proceedings of the Royal Society B*, *Science*, *Systematic Biology*, *Trends in Ecology and Evolution*, *Zoology*

**Federal and Independent Agencies (ad hoc reviews):** National Geographic Society, National Science Foundation

**National Science Foundation Panels:** DEB Dimensions of Biodiversity; DEB Evolutionary Processes; DEB CAREER Award; IOS Physiological Mechanisms and Biomechanics

### III. UNIVERSITY SERVICE

#### Departmental Committees, Yale University, Department of Ecology & Evolutionary Biology

2020-2021	EEB Faculty Search Committee
	EEB Diversity and Climate Committee
	First-Year Graduate Student Advisory Committee
	Faculty Mentor for EEB Sophomores
	EEB Seminar Series Organizer
2019-2020	Undergraduate Curriculum Committee

#### Inter-Departmental Committees, Yale University

2020	Review Committee; Graduate Fellowships; Yale Institute for Biospheric Studies
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2020 Review Committee; Hutchinson Fellowship; Yale Institute for Biospheric Studies

**Yale College, Yale University**

2020 Review Committee; Henry Edwards Ellsworth Prize; Jonathan Edwards College

2020 Review Committee; Rosenfeld Science Scholars Program; Yale College

2019-present Resident Fellow, Jonathan Edwards College

**Faculty of Arts and Sciences, Yale University**

2019 Yale Development Council Meeting

**Departmental Committees, Virginia Tech**

2017-2019 Diversity Committee, Department of Biological Sciences

**IV. SERVICE TO THE SOCIETY FOR INTEGRATIVE AND COMPARATIVE BIOLOGY**

2021-2022 Program Officer, Division of Ecology and Evolution

2019-2020 Secretary, Division of Ecology and Evolution

2017-2021 Public Affairs Committee

2016-2017 Broadening Participation Committee – Mentor

2016-2018 Huey Award Committee, Division of Ecology and Evolution

**V. PROFESSIONAL MEMBERSHIP:**

Society for Integrative and Comparative Biology

American Society of Naturalists

Society for the Study of Evolution

Sigma Xi

**VI. SELECTED MEDIA COMMENTARY:**

“Scientific journals commit to diversity, but lack the data” by K. Wu, *New York Times*, 10/2020.

“Meet Lizard Man, a reptile-loving biologist tackling some of the biggest questions in evolution” by E. Pennisi, *Science*, 7/2020.

“Evolutionary climate control” by M. Eisenstein, *Nature Middle East*, 10/2019.

“These albino lizards are the first gene-edited non-avian reptiles” by K. Wu, *PBS NOVA*, 9/2019.

“Predators drove a lizard population to extinction without eating them” by K. Wu, *PBS NOVA*, 6/2019.

“The wild experiment that showed evolution in real time” by E. Yong, *The Atlantic*, 1/2019.

“A single spine from this cactus can lift a half-pound slab of pork” by K. Wu, *PBS NOVA*, 11/2018.

“Hurricanes may have made these lizards better huggers” by K. Eschner, *Popular Science*, 7/ 2018.

“Lizards with Bigger Toes & Smaller Hind Legs Survive Hurricanes” by J. Learn, *Smithsonian*, 7/ 2018.

“Natural History Makes a Comeback on Campus” by D. Lyman, *Undark Magazine*, 11/2017.