Vincent R. Farallo

University of Scranton
Biology Department
Loyola Science Center
Scranton, PA 18510

Office: LSC 373
Phone: 570.941.4294
vincent.farallo@scranton.edu
http://www.vincentfarallo.net

APPOINTMENTS

Associate Professor August 2025 – present
University of Scranton

Assistant Professor August 2020 – August 2025
University of Scranton

Postdoctoral Researcher July 2019 – June 2020
Yale University
Advisor: Martha Muñoz

Postdoctoral Researcher August 2017 - June 2019
Virginia Tech
Advisor: Martha Muñoz

EDUCATION

Doctorate of Philosophy, Ecology and Evolutionary Biology April 2017
Ohio University
Department of Biological Sciences
Dissertation: Notes from the underground: Linking microhabitat and species distributions of plethodontid salamanders
Dissertation Advisor: Donald B. Miles

Master of Science, Population and Conservation Biology December 2009
Texas State University-San Marcos
Department of Biology
Thesis: Evolution of color polymorphism in Mottled Rock Rattlesnakes (*Crotalus l. lepidus*)
Thesis Advisor: Michael R.J. Forstner

Bachelor of Science, Biology June 2006
John Carroll University
Department of Biology

PUBLICATIONS (*Undergraduate Co-author)

Renton, C.*, S. McGrath-Blaser, J.M. Healey*, A.V. Longo, **V.R. Farallo**. 2026. Soil Characteristics and Bacterial Communities from the Microhabitats of a Widespread Salamander Compared to Two Microendemic Species. *Ichthyology and Herpetology*. 114 (1): 44-55

DuBose, T.P., C.E. Moore, **V.R. Farallo**, A.L. Benson, W.A. Hopkins, S. Silknetter, M.C. Mims. 2025. Some of these are Not like the Others: Relative Thermal Sensitivity among Anuran Species of the Southeast United States. *Ecosphere*. 16(8): e70366.

DuBose, T.P., V. Catalan, C.E. Moore, **V.R. Farallo**, A.L. Benson, J. Dade, W.A. Hopkins, M.C. Mims. 2024. Thermal Traits of Anurans Database for the Southeastern United States (TRAD): A Database of Thermal Trait Values for 40 Anuran Species. *Ichthyology and Herpetology*. 112 (1): 21–30

Muñoz, M.M., K. Feely, P. Martin, **V.R. Farallo.** 2022. The multidimensional (and contrasting) effects of environmental warming on a group of montane tropical lizards. *Functional Ecology*. 36: 419-431.

Farallo, V.R., M.M. Muñoz, J.C. Uyeda, D.B. Miles. 2020. Scaling between macro- to microscale climatic data reveals strong phylogenetic inertia in niche evolution in plethodontid salamanders. Evolution. (May 2020 Cover Photo)

Farallo, V.R., R. Wier*, D.B. Miles. 2018. The Bogert effect revisited: Will behavioral compensation save species in a changing climate? *Ecology and Evolution*. 8: 11522–11532.

Farallo, V.R., D.B. Miles. 2016. Microhabitat use of two microendemic *Plethodon* species compared to the widespread *Plethodon cinereus*. *Copeia* 104:67-77.

Farallo V.R., M.R.J. Forstner. 2012. Predation and the Maintenance of Color Polymorphism in a Habitat Specialist Squamate. *PLoS ONE* 7(1): e30316.

Brown, D.J, **V.R. Farallo**, J.R. Dixon, J.T. Baccus, T.R. Simpson, M.R.J. Forstner. 2011. Freshwater turtle conservation in Texas: lingering harvest effects and efficacy of the current management regime. *Journal of Wildlife Management* 75:486-494.

Farallo, V.R., M. Sasa, D.K. Wasko, M.R.J. Forstner. 2010. Reduced foraging in the presence of predator cues by the Black Spiny-tailed Iguana, *Ctenosaura similis* (Sauria: Iguanidae). *Phyllomedusa* 9:99-109.

Farallo, V.R., D.J. Brown, M.R.J. Forstner. 2010. An improved funnel trap for drift-fence surveys. *Southwestern Naturalist* 55:460-463.

Farallo, V.R., R. L. Swanson, G.R. Hood, J.R. Troy, M.R.J. Forstner. 2009. New county records for the Mediterranean house gecko (*Hemidactylus turcicus*) in Central Texas, with comments on human-mediated dispersal. *Applied Herpetology* 6: 196-198.

FELLOWSHIPS, GRANTS, AND AWARDS

Fellowships

2015
Ohio Center for Ecology and Evolutionary Studies Graduate Research Fellowship

2013-2014
Ohio University Graduate College Fellowship

Grants and Awards

2023 (not funded)
National Science Foundation $58,271
"Collaborative Research: ORCC: Climate Change in the Leaf Litter:
An interdisciplinary approach to integrating physiology, biomechanics,
ecology, and genomics in a model salamander"

2023
National Science Foundation $488,947
"BRC-BIO: Pick your poison: The physiological cost of alkaloid sequestration in dendrobatid poison frogs."

2022
The University of Scranton Faculty Internal Research Program (FIRP) $2,000

2021
The University of Scranton Faculty Internal Research Program (FIRP) $2,000

2015
Ohio University Research Committee Award, Co-PI $8,000
Ohio University Graduate Student Senate Travel Grant $500

2014
Sigma Xi Grants in Aid of Research $700
Exploration Fund Grant– *The Explorers Club* $1,000

2013
Ohio University Student Enhancement Award $6,000
Exploration Fund Grant– *The Explorers Club* $2,000

2012

Lewis and Clark Fund for Exploration and Research- *American Philosophical Society*	$4,000
Rosemary Grant– *Society for the Study of Evolution*	$2,000
Exploration Fund Grant– *The Explorers Clu*b	$2,500
Ohio University Graduate Student Senate Research Grant	$1,500
Ohio University Graduate Student Senate Travel Grant	$500

2011

Ohio University Graduate Student Senate Research Grant	$500
Student Travel Grant– *American Society of Ichthyologists and Herpetologists*	$300
Ohio University Graduate Student Senate Travel Grant	$500

2009

Texas State College of Science Travel Grant	$325
Honorable Mention for best graduate student presentation– *Annual meeting of the Texas Academy of Science*	$50

2008

Texas State Associate Student Government Scholarship	$2,000
Sigma Xi Grants in Aid of Research	$400
Texas State College of Science Travel Grant	$235
Southwestern Association of Naturalist Travel Grant	$350
Marvin R. Aures Herpetological Grant– *Western New York Herpetological Society*	$100

TEACHING EXPERIENCE

Associate Professor August 2020 – present
University of Scranton

BIOL 110 and 111 – Human Anatomy & Physiology Lecture
BIOL 245L – General Physiology Lab
BIOL 374L – Vertebrate Biology Lab
PSIO 320L – Cellular and Integrative Physiology Lab

Instructor of Record January 2015 – December 2015
Ohio University

BIOS 3760 – Field Ecology Lecture and Labs
BIOS 6820 – Advanced Topics Seminar on Color Polymorphism

Teaching Assistant September 2010 – December 2016
Ohio University

BIOS 1710 – Introductory Biology - Anatomy and Physiology
BIOS 1730 – Introductory Biology - Animal Diversity
BIOS 3015 – Human Anatomy
BIOS 3030 – Comparative Vertebrate Anatomy
BIOS 3760 – Field Ecology

Teaching Assistant August 2007 – December 2009
Texas State University-San Marcos

BIOL 1131 – Organismal Biology
BIOL 2450 – Genetics
BIOL 4434 – Herpetology

NATURAL HISTORY NOTES, BOOK REVIEWS, AND REPORTS

DuBose, T. P., V. Catalan, C. E. Moore, **V. R. Farallo,** A. L. Benson, J. L. Dade, W. A. Hopkins, S. Silknetter, M. C. Mims. 2025. Warming Tolerances for 34 Species of Anurans Native to the Southeast United States. Geological Survey Data Release.

DuBose, T. P., V. Catalan, C. E. Moore, **V. R. Farallo,** A. L. Benson, J. L. Dade, W. A. Hopkins, M. C. Mims. 2023. TRAD: Thermal traits of anurans database for the southeastern United States. Geological Survey Data Release.

Farallo, V.R. 2013. Review of *The Amphibians of Tennessee*. *Herpetological Review* 44(1): 164-165.

Forstner, M.R.J., **V.R. Farallo**. 2010. Houston toad habitat suitability assessment for the Cross county water supply pipeline project in Lee and Burleson counties, Texas. Submitted to ACI Consulting, Austin, TX. 16 pgs.

Swanson, R.L., **V.R. Farallo**, T.R. Simpson. 2010. Geographic distribution. *Hemidactylus turcicus*. *Herpetological Review* 41 (4): 512.

Vandewege, M.L., A. Harper, **V.R. Farallo**, M.R.J. Forster. 2009. Geographic distribution. *Gastrophryne olivacea*. *Herpetological Review* 40 (4):445-446.

Swanson, R.L., **V.R. Farallo**, J.R. Troy, G.R. Hood, M.R.J. Forstner. 2009. Geographic distribution. *Hemidactylus turcicus*. *Herpetological Review* 40 (4): 453.

Farallo, V.R., R. Swanson, J.R. Troy, G.R. Hood, M.R.J. Forstner. 2008. Geographic distribution. *Lithobates sphenocephalus*. *Herpetological Review* 39 (3): 363.

Swanson, R.L., **V.R. Farallo**, J.R. Troy, G.R. Hood, M.R.J. Forstner. 2008. Geographic distribution. *Hemidactylus turcicus*. *Herpetological Review* 39 (3): 367.

Farallo, V.R., R. Swanson, J.R. Troy, G.R. Hood, M.R.J. Forstner. 2008. Geographic distribution. *Hemidactylus turcicus*. *Herpetological Review* 39 (3): 368.

Farallo, V.R., R. Swanson, J.R. Troy, G.R. Hood, M.R.J. Forstner. 2008. Geographic distribution. *Coluber constrictor*. *Herpetological Review* 39 (4):484.

Swanson, R.L., **V.R. Farallo**, J.R. Troy, G.R. Hood, M.R.J. Forstner. 2008. Geographic distribution. *Anolis carolinensis*. *Herpetological Review* 39 (4):482.

Swanson, R.L., **V.R. Farallo**, J.R. Troy, G.R. Hood, M.R.J. Forstner. 2008. Geographic distribution. *Syrrhophus cystignathoides campi*. *Herpetological Review* 39 (4):478.

PRESENTATIONS AND POSTERS **(*Undergraduate Co-author)**

Farallo, V.R, M. Howard*, C. Doughton*, R.A. Saporito. 2025 The Effect of Alkaloid Sequestration on the Metabolic Rates of Dendrobatid Frogs. Joint Meeting of Ichthyologists and Herpetologists.

Hughes, E.N.*, **V.R. Farallo**. 2024. The effects of predator cues on the physiology of Plethodon cinereus. Society for the Study of Amphibians and Reptiles Meeting.

Doughton, C.J.*, R.A. Saporito, **V.R. Farallo**. 2023. The Effects of Alkaloid Sequestration on Poison Frog Metabolism. Joint Meeting of Ichthyologists and Herpetologists.

Renton, C.*, J. Healey, and **V.R. Farallo**. 2022. Below the Undergrowth: Quantifying Soil in the Range of Two Microendemic Plethodontids Compared to the Widespread *Plethodon cinereus*. Joint Meeting of Ichthyologists and Herpetologists.

Capalongo, C.B.* and **V.R. Farallo**. 2022. Sizzling salamander: Thermal physiology of *Plethodon cinerus* from burned and unburned habitats. Joint Meeting of Ichthyologists and Herpetologists.

Freeman, N.* and **V.R. Farallo**. 2022. The Effect of Burned Habitat on the Metabolism of *Plethodon cinereus* Salamanders: Can They Stand the Heat? Joint Meeting of Ichthyologists and Herpetologists.

Farallo, V.R., M.M. Muñoz. 2020. Out of time and out of room: Are montane salamanders vulnerable to extinction due to climate change? Annual Meeting of the Society for Integrative and Comparative Biology.

Farallo, V.R., M.M. Muñoz. 2019. Mountaintop Endemics and Climate Change: Is Warming Always a Problem? Evolution.

Farallo, V.R., M.M. Muñoz. 2019. Mountaintop Endemics and Climate Change: Is Warming Always a Problem? Annual Meeting of the Society for Integrative and Comparative Biology.

Farallo, V.R., M.M. Muñoz, D.B. Miles. 2018. Niche evolution varies depending on geographic scale: implications for climate change. Annual Meeting of the Society for Integrative and Comparative Biology.

Farallo, V.R., D.B. Miles. 2016. Habitat use of microendemics: comparison of micro- and macro-scale variables. Special Highlands Conference on Plethodonitd Salamander Biology.

Farallo, V.R., R. Wier*, D.B. Miles. 2016. Will behavioral compensation buffer species loss in a warming climate? Joint Meeting of Ichthyologists and Herpetologists.

Farallo, V.R., R. Wier*, D.B. Miles. 2016. Will behavioral compensation save species in a warming climate? Annual Meeting of the Society for Integrative and Comparative Biology.

Farallo, V.R. 2015. The role of microhabitat in the evolutionary ecology of plethodontid salamanders. **Invited Seminar Speaker at John Carroll University, October 12th 2015.**

Farallo, V.R., D.B. Miles. 2015. Microhabitat use of two microendemic *Plethodon* species compared to the widespread *Plethodon cinereus*. Meeting of the Society for the Study of Amphibians and Reptiles.

Farallo, V.R., D.B. Miles. 2014. Exploring below the undergrowth: the role of microhabitat in the evolutionary ecology of plethodontid salamanders. Joint Meeting of Ichthyologists and Herpetologists.

Farallo, V.R., D.B. Miles. 2014. Exploring below the undergrowth: the role of microhabitat in the evolutionary ecology of plethodontid salamanders. 6th Conference on the Biology of Plethodontid Salamanders.

Ternes, W.*, C. Wheeler*, **V.R. Farallo**. 2014. Microhabitat use of the Big Levels Salamander: a microendemic plethodontid. Joint Meeting of Ichthyologists and Herpetologists.

Farallo, V.R., D.B. Miles. 2012. The role of micro-habitat in shaping the evolutionary ecology of Plethodontid salamanders of the eastern united states. The 7th World Congress of Herpetology.

Farallo, V.R., M.R.J. Forstner. 2011. Predation and the maintenance of color polymorphism in a habitat specialist squamate. The 96th annual meeting of the Ecological Society of

America.

Farallo, V.R. 2011. Predation and the maintenance of color polymorphism in a habitat specialist squamate. Joint Meeting of Ichthyologists and Herpetologists

Farallo, V.R., M.R.J. Forstner. 2010. Predation and the maintenance of color polymorphism in the mottled rock rattlesnake (*Crotalus l. lepidus*). Evolution.

Farallo, V.R., M.R.J. Forstner. 2010. Predation and the maintenance of color polymorphism in the mottled rock rattlesnake (*Crotalus l. lepidus*). The 57th Annual meeting of the Southwestern Association of Naturalist.

Farallo, V.R., M.R.J. Forstner. 2010. Predation and the evolution of color polymorphism in the mottled rock rattlesnake (*Crotalus l. lepidus*). The 113th Annual meeting of the Texas Academy of Science.

Farallo, V.R., M.R.J. Forstner. 2009. Why so many forms? Field tests of the selective pressures on color and pattern variation and its maintenance in the mottled rock rattlesnake (*Crotalus l. lepidus*). International Conference for Graduate Students.

Farallo, V.R., M.R.J. Forstner. 2009. Two are better than one: Improved funnel trap design. The 112th Annual meeting of the Texas Academy of Science.

Farallo, V.R., M.R.J. Forstner. 2009. Two are better than one: Improved funnel trap design. The 56th Annual meeting of the Southwestern Association of Naturalist.

Farallo, V.R., M.R.J. Forstner. 2008. Two are better than one: Improved funnel trap design. The 13th Annual Texas State Biology Department Colloquium.

PROFESSIONAL AFFLIATIONS

- American Society of Naturalists (ASN) 2013 – 2017
- Society for Integrative and Comparative Biology 2015 – 2020
- Society for the Study of Amphibians and Reptiles (SSAR) Current
- Herpetologist League (HL) 2006 – 2015
- American Society of Ichthyology and Herpetology (ASIH) Current
- Sigma Xi Scientific Research Society 2009 – 2015
- Society for the Study of Evolution (SSE) 2010 – 2023

OUTREACH

- Participated in Synergistic Activity Program for Science Education (SynAPSE) at McNichols Elementary School 2022 – present
- Participated in the STARS (Students Together Achieving Remarkable Success) by discussing my research and showing students my dendrobatid frog displays 2023 – present

- Participated in the University of Scranton, University of Success program for first generation pre-college students 2025
- Founder and Organizer of the annual JCU/OU Herpetology Symposium 2011 – present
- Webmaster Ohio University Biological Sciences Graduate Society 2012 – 2016
- Mentor for first time students at SSAR annual meetings 2012 – 2015; 2023-2024

SERVICE

- Served as reviewer for the *Evolution*, *Biological Journal of the Linnean Society*, *North-Western Journal of Zoology*, *PLoS One*, *Journal of Herpetology*, *Herpetological Review*, *Herpetology Notes*, *Copeia, South American Journal of Herpetology, and Journal of Animal Ecology, Frontiers Ecology and Evolution, Ecology Letters, Journal of Experimental Zoology Part A, Southwestern Naturalist, Journal of Evolutionary Biology. Reptiles and Amphibians*
- Vice-president Ohio University Biological Sciences Graduate Society 2014
- Website Committee Member 2013 – 2018
  Society for the Study of Amphibians and Reptiles
- Live Auction Committee Chair 2021 – 2024
  Society for the Study of Amphibians and Reptiles
- Membership Committee Member 2021 – present
  Society for the Study of Amphibians and Reptiles
- Society Secretary 2025 – present
  Society for the Study of Amphibians and Reptiles
- Student Travel Committee Chair 2011 – 2018
  Society for the Study of Amphibians and Reptiles

PRESS

- An article on my NSF BRC-BIO grant was discussed in the November 7th issue of The Times-Tribune
  - https://www.thetimes-tribune.com/eedition/page-a1/page_6deaa219-508b-5daf-8edf-32eddad55905.html
- Mentioned in an article on my post-doc advisor, Dr. Martha Muñoz, in Science (Vol. 377, Issue 6613)
- Journal article "An improved funnel trap for drift-fence surveys" was discussed in the field notes section of the Winter 2010 issue of *The Wildlife Professional*
- My dissertation work was discussed in the Spring/Summer 2014 issue of *Perspectives Magazine* (page 8-9)*:*
  - https://issuu.com/perspectivesmagazine/docs/perspectives_sp-s14