

# Pascal O. Title

[last updated on January 12, 2026]

Department of Ecology & Evolution  
Stony Brook University  
650 Life Sciences Building  
Stony Brook, NY 11794

Assistant Professor  
email: [pascal.title@stonybrook.edu](mailto:pascal.title@stonybrook.edu)  
website: <https://ptitle.github.io/macroEEB/>  
[www.github.com/ptitle/](http://www.github.com/ptitle/)

## EDUCATION & APPOINTMENTS:

<b>Assistant Professor</b> Department of Ecology & Evolution, Stony Brook University	Sep. 2023 – present
<b>Assistant Research Professor</b> Department of Ecology & Evolution, Stony Brook University	Sep. 2020 – Aug. 2023
<b>Species Distribution Modeling Postdoctoral Fellow</b> <b>&amp; Assistant Research Scientist</b> Environmental Resilience Institute, Indiana University	Oct. 2018 – Aug. 2020
<b>Adjunct Research Scientist</b> Department of Biology, Indiana University	Oct. 2018 – Aug. 2020
<b>PhD</b> University of Michigan Department of Ecology and Evolutionary Biology Advisor: Dr. Daniel L. Rabosky	Aug. 2012 – Sep. 2018
University of Michigan graduate certificate Computational Discovery and Engineering	April 2017
<b>MSc</b> San Diego State University Department of Biology, Evolutionary Biology Program Advisor: Dr. Kevin J. Burns	Aug. 2009 – Aug. 2012
<b>BA</b> University of California, Berkeley Department of Integrative Biology	Aug. 2004 – Aug. 2008

## FELLOWSHIPS, GRANTS, AND AWARDS:

### Fellowships:

- 2018 - 2020 Indiana University Environmental Resilience Institute Fellowship (\$240,000)  
2017 University of Michigan Rackham Predoctoral Fellowship (\$32,640)

## Grants & Awards:

2017	UMMZ Hinsdale Scholarship (\$4,137)
2017	Rackham Graduate Student Research Grant (\$3,000)
2016	Michigan Institute for Computational Discovery & Engineering fellowship (\$4,000)
2015	Honorable mention, SSAR Seibert Award in Systematics/Evolution
2015	EEB Block grant (\$2,290)
2014	ASIH Stoye award in general herpetology for best oral presentation
2014	Society for the Study of Evolution Rosemary Grant Award (\$2,500)
2014	Herp League E.E. Williams Research Grant (\$1,000)
2013/2014	UMMZ C. F. Walker Scholarship for field research in herpetology (\$2,500)
2013	UM Rackham Precandidate Graduate Research Grant (\$1,500)
2013	Society of Systematic Biologists Graduate Student Research Award (\$2,000)
2011	Mabel Meyers Memorial Scholarship, San Diego State University (\$2,000)
2010	IRA Student Travel Award, San Diego State University

## PUBLICATIONS:

---

**Title, P.O.**, L.F. Henao-Díaz, R. Zenil-Ferguson and T. Vasconcelos. 2025. An evolving view of lineage diversification. *Systematic Biology*.

Muthukrishnan, R., T.M. Smiley, **P.O. Title**, A.M. Fudickar, A.E. Jahn and J.A. Lau. 2025. Chasing the niche: Escaping climate change threats in place, time and space. *Global Change Biology*. 31:e70167

S. Singhal, I. Prates, H. Huang, M.R. Grundler, A.R. Lemmon, E.M. Lemmon, **P.O. Title**, S.C. Donnellan, C. Moritz and D.L. Rabosky. 2025. Adaptive radiation, “taxon murk”, and the reality of early burst speciation: an example from Australia’s scincid lizards. *Evolutionary Journal of the Linnean Society* 4:kzaf006.

**Title P.O.\***, S. Singhal\*, M.C. Grundler, G.C. Costa, R.A. Pyron, T.J. Colston, M.R. Grundler,, I. Prates, N. Stepanova, M.E.H. Jones, L.B.Q. Cavalcanti, G.R. Colli, N. Di-Poï, S.C. Donnellan, C. Moritz, D.O. Mesquita, E.R. Pianka, S.A. Smith, L.J. Vitt and D.L. Rabosky\*. 2024. The macroevolutionary singularity of snakes. *Science* 383, 918-923.

\* denotes equal contribution to this work.

\*\* Stony Brook Press Release

\*\* University of Michigan Press Release

\*\* Natural History Museum, London Press Release

\*\* Popular Science article

Cicero, C., N.A. Mason, Z. Oong, **P.O. Title**, M.E. Morales, M.S. Koo and R.C.K. Bowie. 2022. Deep ecomorphological and genetic divergence in Steller’s Jays (*Cyanocitta stelleri*, Aves: Corvidae). *Ecology & Evolution* 12:e9517.

**Title, P.O.**, D.L. Swiderski and M.L. Zelditch. 2022. EcoPhyloMapper: an R package for integrating geographic ranges, morphometrics and phylogeny. *Methods in Ecology & Evolution* 13:1912–1922.  
\*\* made the long list for the MEE Robert May award for best paper submitted by an early career author

Houser, M., A. Sullivan, T.M. Smiley, R. Muthukrishnan, E. Grennan Browning, A. Fudickar, **P.O. Title**, J. Bertram, and M. Whiteman. 2021. What fosters the success of a transdisciplinary environmental research institute? Reflections from an interdisciplinary research cohort. *Elementa: Science of the Anthropocene* 9.

Smiley, T.M., R.C. Terry, **P.O. Title** and M.L. Zelditch. 2020. Dimensions of biodiversity: patterns of species richness, phylogenetic and ecological diversity, and endemism in North American rodents. *Global Ecology and Biogeography* 29:516-533.

**Title, P.O.** and D.L. Rabosky. 2019. Tip rates, phylogenies and diversification: what are we estimating, and how good are the estimates? *Methods in Ecology and Evolution* 10:821-834.

*\*\* associated MEE blog post*

*\*\* featured in the MEE virtual issue: Phylogenetics and Comparative Methods: The Bright and Dark Sides*

von May, R., E. Biggi, H. Cardenas, M.I. Diaz, C. Alarcon, V. Herrera, R. Santa-Cruz, F. Tomasinelli, E.P. Westeen, C.M. Sanchez-Paredes, J.G. Larson, **P.O. Title**, M.R. Grundler, M.C. Grundler, A.R. Davis Rabosky, and D.L. Rabosky. 2019. Ecological interactions between arthropods and small vertebrates in a lowland Amazon rainforest. *Amphibian & Reptile Conservation* 13: 65-77.

*\*\* University of Michigan Press Release*

Singhal, S., H. Huang, M. Grundler, M.R. Marchán-Rivadeneira, I. Holmes, **P.O. Title**, S.C. Donnellan, P. Doughty and D.L. Rabosky. 2018. Does population structure predict the rate of speciation? A comparative test across Australia's most diverse vertebrate radiation. *The American Naturalist* 192:432-447.

Rabosky, D.L.\*, J. Chang\*, **P.O. Title\***, P.F. Cowman, L. Sallan, M. Friedman, K. Kaschner, C. Garilao, T.J. Near, M. Coll and M.E. Alfaro\*. 2018. An inverse latitudinal gradient in speciation rate for marine fishes. *Nature* 559: 392-395.

*\* denotes equal contribution to this work.*

**Title, P.O.** and J.B. Bemmels. 2018. ENVIREM: An expanded set of bioclimatic and topographic variables increases flexibility and improves performance of ecological niche modeling. *Ecography* 41: 291-307.

**Title, P.O.** and D.L. Rabosky. 2017. Do macrophylogenies yield stable macroevolutionary inferences? An example from squamate reptiles. *Systematic Biology* 66: 843-856.

Singhal, S., H. Huang, **P.O. Title**, S.C. Donnellan, I. Holmes, D.L. Rabosky. 2017. Genetic diversity is largely unpredictable but scales with museum occurrences in a species-rich clade of Australian lizards. *Proceedings to the Royal Society B* 284: 20162588.

Bemmels, J.B., **P.O. Title**, J. Ortego, L.L. Knowles. 2016. Tests of species-specific models reveal the importance of drought in postglacial range shifts of a Mediterranean-climate tree: insights from iDDC modelling and ABC model selection. *Molecular Ecology* 25: 4889-4906.

Davis Rabosky, A.R., C.L. Cox, D.L. Rabosky, **P.O. Title**, I.A. Holmes, A. Feldman, J.A. McGuire. 2016. Coral snakes predict the evolution of mimicry across New World snakes. *Nature Communications* 7:11484.

Klicka, L.B., B.E. Kus, **P.O. Title**, K.J. Burns. 2015. Conservation genomics reveals multiple evolutionary units within Bell's Vireo (*Vireo bellii*). *Conservation Genetics*: 1-17.

Rabosky, D.L., **P.O. Title**, H. Huang. 2015. Minimal effects of latitude on present-day speciation rates in New World birds. *Proceedings to the Royal Society B* 282: 20142889.

**Title, P.O.** and K.J. Burns. 2015. Rates of climatic niche evolution are correlated with species richness in a large and ecologically diverse radiation of songbirds. *Ecology Letters* 18: 433-440.

*\*\* featured in the GBIF Science Review 2016.*

- Rabosky, D.L., M.C. Grundler, C.J.R. Anderson, **P.O. Title**, J.J. Shi, J.W. Brown, H. Huang, J.G. Larson. 2014. BAMMtools: an R package for the analysis of evolutionary dynamics on phylogenetic trees. *Methods in Ecology and Evolution* 5: 701-707.
- Mason, N.A., **P.O. Title**, C. Cicero, K.J. Burns, R.C.K. Bowie. 2014. Genetic variation among western populations of Horned Lark (*Eremophila alpestris*) indicates recent colonization of the Channel Islands, mainland-bound dispersal, and post-glacial range shifts. *The Auk* 131: 162-174.
- Burns, K.J., A.J. Shultz, **P.O. Title**, N.A. Mason, F.K. Barker, J. Klicka, S.M. Lanyon, I.J. Lovette. 2014. Phylogenetics and diversification of tanagers (Passeriformes: Thraupidae), the largest radiation of Neotropical songbirds. *Molecular Phylogenetics and Evolution* 75: 41-77.

## **PRESENTATIONS:**

---

### **Conference Papers:**

- Title, P.O.** 2026. Climate contiguity, niche breadth and their roles in shaping global patterns of species richness. *Biennial conference of the International Biogeography Society*. Aarhus, Denmark.
- Title, P.O.** 2025. The spatial configuration of climate & its potential role in global patterns of biodiversity. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Athens, Georgia.
- Núñez, L., F. Burbrink and **P.O. Title**. 2025. Macroevolutionary patterns of genomic response to infectious disease across squamates. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Athens, Georgia.
- Swiderski, D., **P.O. Title** and M. Zelditch. 2024. Hotspots in mountains, 2: combining landscape complexity and connectivity. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Montreal, Canada.
- Zelditch, M., **P.O. Title** and D. Swiderski. 2024. Hotspots in mountains, 1: interactions between the adaptive landscape and the physical landscape. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Montreal, Canada.
- Zelditch, M., **P.O. Title** and D. Swiderski. 2024. Landscape, climate and ecology interact to shape regional species assemblages. *North American Paleontological Convention*. Ann Arbor, Michigan.
- Farková, L., **P.O. Title**, I. Horáček and D. Storch. 2024. Spatial and temporal patterns of shrew diversification. *Biennial conference of the International Biogeography Society*. Poster Presentation. Prague, Czechia.
- Title, P.O.**, S. Singhal and D.L. Rabosky. 2023. Assembling a new squamate tree of life. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Albuquerque, New Mexico.
- Zelditch, M., D. Swiderski and **Title, P.O.** 2022. Disentangling explanations for diversity in topographically complex regions. *Annual Meeting of the American Society of Mammalogists*. Tucson, Arizona.
- Title, P.O.**, M.C. Grundler and D.L. Rabosky. 2021. A definitive rejection of the Out of the Tropics model in marine fishes. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Virtual Conference.

- Title, P.O.**, M.C. Grundler and D.L. Rabosky. 2019. Dispersal and the latitudinal diversity gradient in marine fishes. *Annual Meeting of the Ecological Society of America*. Louisville, Kentucky.
- Title, P.O.** and M.L. Zelditch. 2019. speciesRaster: a platform in R for integrating species ranges, morphology and phylogeny. *Annual Digital Data in Biodiversity Research Conference (iDigBio)*. Yale University. New Haven, Connecticut.
- Title, P.O.** and M.L. Zelditch. 2019. speciesRaster: a platform in R for integrating species ranges, morphology and phylogeny. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Providence, Rhode Island.
- Title, P.O.**, M.C. Grundler and D.L. Rabosky. 2019. Dispersal and the latitudinal diversity gradient in marine fishes. *Biennial conference of the International Biogeography Society*. Malaga, Spain.
- Title, P.O.** and D.L. Rabosky. 2017. Do macrophylogenies yield stable macroevolutionary inferences? *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Portland, Oregon.
- Title, P.O.** and J.B. Bemmels. 2017. ENVIREM: An expanded set of bioclimatic and topographic variables increases flexibility and improves performance of ecological niche modeling. *Biennial conference of the International Biogeography Society*. Poster Presentation. Tucson, Arizona.
- Title, P.O.** and D.L. Rabosky. 2016. Determinants of regional species diversity in Australian squamates. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Austin, Texas.
- Title, P.O.** and J.B. Bemmels. 2016. ENVIREM: An expanded set of bioclimatic and topographic variables increases flexibility and improves performance of ecological niche modeling. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Poster Presentation. Austin, Texas.
- Title, P.O.** and D.L. Rabosky. 2015. Spatial macroevolutionary patterns in Australian squamates. *Meeting for the Society for the Study of Amphibians and Reptiles*. Lawrence, Kansas.
- Title, P.O.** and D.L. Rabosky. 2015. Spatial macroevolutionary patterns in Australian squamates. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Guaruja, Brazil.
- Title, P.O.** and D.L. Rabosky. 2015. The spatial distribution of Australia's squamate radiations. *Society for Systematic Biologists meeting*. Ann Arbor, Michigan.
- Title, P.O.** and K. J. Burns. 2014. Niche evolution and diversification in tanagers. *Annual meeting of the American Ornithologists' Union, Cooper Ornithological Society, and the Society of Canadian Ornithologists*. Estes Park, Colorado.
- Title, P.O.** and D. L. Rabosky. 2014. Niche evolution dynamics and their role in Australian squamate diversification. *Joint Meeting of Ichthyologists and Herpetologists*. Chattanooga, Tennessee.
- Title, P.O.** and K. J. Burns. 2013. Niche evolution in relation to diversification in tanagers, the largest radiation of songbirds in the Neotropics. Poster presentation. *Early Career Scientist Symposium on Macroevolution*. Ann Arbor, Michigan.
- Title, P.O.** and K. J. Burns. 2011. Acquiring and processing occurrence data for georeferencing, niche modeling and subsequent comparative analyses. Poster presentation. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Norman, Oklahoma.

**Title, P.O.** and K. J. Burns. 2010. The evolution of ecological niches in neotropical tanagers. *Joint Annual Meeting of the Society for the Study of Evolution, the Society of Systematic Biologists, and the American Society of Naturalists*. Portland, Oregon.

### **Invited Talks & Seminars:**

Ecomorphological innovations and the diversification of lizards and snakes. 2025. *Richard Gilder Graduate Program seminar, The American Museum of Natural History*. New York, New York.

Ecomorphological innovations and the global diversity of snakes. 2023. *Department of Biology Seminar, City College of New York*. New York, New York.

The date of occurrence: Is it worth incorporating in Species Distribution Modeling & in the analysis of climatic niches? 2023. *New York Species Distribution Modeling Discussion Group*. New York, New York.

Ecomorphological innovations and the global diversity of snakes. 2023. *Department of Ecology and Evolution Seminar, Stony Brook University*. Stony Brook, New York.

Big data for big questions: Spatial macroevolution at continental and global scales. 2022. *Department of Biological Sciences, Auburn University*. Auburn, Alabama.

Species richness in time and space: a phylogenetic and geographic perspective. 2020. *Department of Biological Sciences Seminar, George Washington University*. Washington, D.C.

Species richness in time and space: a phylogenetic and geographic perspective. 2019. *Department of Ecology and Evolution Seminar, Stony Brook University*. Stony Brook, New York.

Species richness in time and space: a phylogenetic and geographic perspective. 2019. *Department of Biology Ecolunch Seminar, Indiana University*. Bloomington, Indiana.

Niche evolution in relation to diversification in tanagers, the largest radiation of songbirds in the Neotropics. 2012. *VertNet Biodiversity Informatics Training Workshop*. Boulder, Colorado.

## **RESEARCH AND FIELD EXPERIENCE:**

---

**Specimen collection and data management – Field Assistant** 2016, 2017  
**Amazon basin, Peru**

*University of Michigan Museum of Zoology*

Field expedition to Los Amigos and Villa Carmen biological stations to sample reptile and amphibian diversity.

**Curatorial Assistant – Herpetology** 2015, 2016

*University of Michigan Museum of Zoology*

Curation and maintenance of specimen collections, accessioning of new material.

**Specimen collection – Field Assistant** April 2015  
**Great Victoria Desert, Western Australia**

*University of Michigan Museum of Zoology*

Field expedition to Lorna Glen and Shark Bay to sample lizard and snake diversity.

**Specimen collection – Field Assistant** May-June 2013  
**Kimberley, Australia**  
*Australian National University*

Participated in a field expedition organized by Dr. Craig Moritz of ANU to sample lizard diversity across the Kimberley.

**Grinnell Centennial Resurvey Project – Field Assistant**  
**Southern Sierra Nevada, California**

*Museum of Vertebrate Zoology, UC Berkeley*

Museum expedition member, collected and prepared specimens as part of a 100-year resurvey project.

June 2009

**Specimen collection – Field Assistant**  
**Mojave Desert, California**

*Museum of Vertebrate Zoology, UC Berkeley*

Museum expedition member on a one week collecting trip to the Granite Mountains Research Station. Collected and prepared specimens, and recorded data.

May 2009

**Specimen collection – Field Assistant**  
**Guatemala**

*Museum of Vertebrate Zoology, UC Berkeley*

Participated in an expedition to Guatemala to collect tropical salamanders and other herpetofauna, as part of a collaboration with the Biological Natural History Museum of Guatemala City.

April 2009

**Curatorial Assistant – Herpetology**

Spring 2008 – Summer 2009

*Museum of Vertebrate Zoology, UC Berkeley*

Assisted herpetology curator in managing the museum collection. Processed specimen loans, carried out tissue subsampling, and prepared reptiles and amphibians to be added to collection.

**Research Assistant**

Spring 2008

**Palm Desert, California**

*Museum of Vertebrate Zoology, UC Berkeley*

Gathered data on the mechanism of display diving in the Costa's Hummingbird, at the Boyd Deep Canyon Research Station, Riverside Co.

**Research Assistant**

Spring 2008

*Museum of Vertebrate Zoology, UC Berkeley*

Diet analysis of western diamondback rattlesnakes for a study of a Southeastern AZ snake community.

**Grinnell Centennial Resurvey Project – Field Assistant**

Summer 2007

**Lassen Volcanic National Park, California**

*Museum of Vertebrate Zoology, UC Berkeley*

Conducted point count surveys of birds in Lassen Volcanic National Park over a 6-week period for a hundred-year resurvey.

**GIS Curatorial Assistant**

Fall 2007 – Spring 2009

*Museum of Vertebrate Zoology, UC Berkeley*

Entered, edited and corrected locality information and data using GIS (Geographic Information Systems) for a database of over 600,000 vertebrate specimens.

**Georeferencer – HerpNet**

Spring 2007

*Museum of Vertebrate Zoology, UC Berkeley*

Used a variety of electronic mapping programs and gazetteers (Topozone, Google Earth, Terrain Navigator, USGS maps) to determine latitude, longitude, and maximum error of specimen localities for a community-wide online herpetological database.

## TEACHING EXPERIENCE:

---

<b>EEB690: Spatial Analysis in R for ecology &amp; evolution</b> <i>Stony Brook University</i> Graduate seminar on spatial analysis for ecological and evolutionary research in R.	Fall 2024
<b>Transmitting Science Workshop – lead instructor</b> <i>Virtual</i> Instructor for a 5-day workshop on spatial patterns of biodiversity, with a focus on geographic mapping of geometric morphometric and phylogenetic data. <a href="#">Workshop web link</a> .	May 2021
<b>BIO211: Statistics and Data Analysis – A Conceptual Approach</b> <i>Stony Brook University</i> Primary instructor for an introductory course in statistics for biologists.	Fall 2020 to present
<b>Workshop instructor for field course on field data collection and manipulation</b> November 2017 <i>Los Amigos Biological Station, Peru</i> Instructor for a module on the manipulation of spatial data in R, with an emphasis on species occurrence records and species range polygons.	
<b>Workshop instructor at iDigBio conference</b> <i>University of Michigan</i> Instructor for a hands-on workshop entitled <i>Automated species range map construction through aggregated global museum records</i> at the inaugural Digital Data in Biodiversity Research Conference.	June 2017
<b>EEB390: Evolutionary Biology – Graduate Student Instructor</b> <i>University of Michigan</i> Led class discussions covering lecture material as well as scientific literature.	Spring 2013/2014
<b>Introductory R programming workshop</b> <i>University of Michigan</i> Co-instructor for a one-day workshop for incoming graduate students, introducing programming basics in R.	Fall 2013/2014/2015/2016
<b>EEB372: General Ecology Lab – Graduate Student Instructor</b> <i>University of Michigan</i> Lab instructor for general ecology. Goals of the course were to teach students to formulate hypotheses, design and conduct experiments, collect and analyze data, and present the results.	Fall 2012
<b>Introduction to Evolutionary Analyses with R Workshop – Co-instructor</b> <i>San Diego State University</i> In conjunction with co-instructor Nicholas Mason, designed and implemented a three day workshop that introduced students to the basic skills needed to read data sets, manipulate phylogenies, and carry out comparative analyses within the R programming environment.	Summer 2012
<b>Biol509: Evolutionary Biology – Guest Lecturer</b> <i>San Diego State University</i> Lecture and associated class discussion on the study of climatic niches in an evolutionary context.	Spring 2012
<b>Biol212: Human Anatomy Lab – Teaching Associate</b> <i>San Diego State University</i> Laboratory instructor for human anatomy lab. Duties included teaching from models, charts, cadavers, mentoring undergraduate teaching assistants, lab set up, and dissections.	Fall 2009 – Spring 2012

**Biol524: Ornithology – Field Teaching Associate**

Spring 2011

*San Diego State University*

Instructed students on bird identification through sight and sound in the field.

---

## SPECIAL SKILLS:

### Programming Skills:

R programming language & package development

Python programming language

familiarity with high performance computing clusters

L<sup>A</sup>T<sub>E</sub>X typesetting language

### ESRI ArcGIS and ArcPy

### Language Skills:

French – Fluent in reading, writing, and speaking.

English – Native speaker.

---

## SERVICE & OUTREACH:

**Reviewer for:** *American Naturalist, Anais da Academia Brasileira de Ciencias, BMC Evolutionary Biology, Diversity, Ecography, Ecology Letters, Evolution, Evolutionary Ecology, Folia Zoologica, Global Ecology & Biogeography, Journal of Animal Ecology, Journal of Biogeography, Molecular Ecology, Nature Ecology & Evolution, Proceedings of the Royal Society B, Systematic Biology.*

**Associate Editor** for Methods in Ecology & Evolution (2025 - )

### Society Memberships:

Ecological Society of America

International Biogeography Society

Society of Systematic Biologists

Society for the Study of Evolution

Herpetologists' League

American Society of Ichthyologists and Herpetologists

American Ornithologists Union

### University Service:

**SBU E&E – Member of search committee**

2024-2025

E&E Genomics in a Changing World faculty position.

Hosted/organized 4-day **workshop** on phylogenetic comparative methods in January 2024 that included graduate students from E&E, Anthropology and Anatomy (instructors Liam Revell and Luke Harmon).

**SBU E&E – Member of search committee**

2023-2024

E&E/IACS Computational Biodiversity and Climate Change faculty position.

<b>SBU E&amp;E – PhD admissions committee</b>	2023-2024
<b>SBU E&amp;E – Member of Darwin Day Committee</b>	2023-2025
Part of organizing committee tasked with inviting a special speaker for Darwin Day.	
<b>SBU E&amp;E – Member of search committee</b>	2022
Search for CAS data manager for Centre ValBio, Madagascar, headed by Andreas Konig.	
<b>SBU CAS Working group</b>	Fall 2021/Spring 2022
Member of the College of Arts & Science working group on data literacy.	
<b>SBU E&amp;E – member of social media committee</b>	2020 -
Promoted department news on social media.	

## **SBU E&E Dissertation committees**

Thomas Bertino	Fall 2024 -
Kaylee Johnson	Fall 2024 -
Raisa Rizzieri	Fall 2023 -
Megan Wyatt	Fall 2023 -
Chelsi Napoli	Fall 2022 -
Anna Thonis	Spring 2023 - Spring 2024
Michael Wethington	Fall 2020 - Fall 2024

## **Title lab members**

Anna Wilkinson [PhD student]	2024 -
Leroy Núñez [Postdoctoral researcher]	2024 -

## **Outreach:**

<b>Science on Tap, Bloomington IN</b>	2018
Panelist to discuss climate change research with the general public.	
<b>Great Lakes regional competition for the National Ocean Science Bowl</b>	2015-2017
Volunteer	
<b>University of Michigan EEB Executive Committee</b>	2015, 2016
Elected as student representative on the executive committee.	
<b>Workshop Instructor</b>	March 2015
Ran a short module on integrating GIS and R, University of Michigan.	
<b>Workshop Instructor</b>	September 2014
Co-taught an introductory R workshop at the joint meeting of AOU, COS and SCO in Estes Park, CO.	
<b>Workshop Instructor</b>	August 2013 - 2016
Co-taught a 1-day introductory R workshop for incoming graduate students in UM EEB.	
<b>UMMZ events</b>	
Participated in ID day and behind-the-scene events as a herpetology expert for the general public.	

<b>University of Michigan EEB Student Committee</b>	2014, 2015
Elected as student representative on the seminar committee.	
<b>Co-Chair, Evolutionary Biology and Ecology Seminar Series Student Committee</b>	Spring 2011
<i>San Diego State University</i>	
<b>Science Olympiad Assistant Event Captain – Ornithology</b>	February 2010, February 2011
Science competition for high school students, ornithology event.	
<b>Session Assistant</b>	2010
Served as a Session Assistant during the joint meeting of the SSEB, SSB, and ASN meeting in Portland, Oregon and during the joint meeting of the AOU, COS, and CSO meeting in San Diego, California.	

### **Mentoring:**

<b>Stony Brook University Honors College</b>	2014, 2015
Thesis mentor for undergraduates in the SBU WISE Honors College:	
Vandana Menser (2023-2024)	
Jessica Moylan (2024-2025)	
<b>University of Michigan SNRE BEAR Program</b>	2014, 2015
Graduate student mentor for the Program in the Environment.	
<b>Research Assistants</b>	2011
Trained and mentored 3 undergraduate and/or volunteer research assistants in georeferencing methods for my MSc thesis. Mentees: Matthew Faughender, Ryan House, Sarah Tuley.	