

# KINSEY M. BROCK, Ph.D.

National Science Foundation Postdoctoral Research Fellow in Biology  
University of California, Berkeley  
(419) 574-2430 | kbrock@berkeley.edu  
kinseybrock.com

## EDUCATION

---

Ph.D. 2021	Quantitative and Systems Biology Concentration in Ecology and Evolutionary Biology Laboratory of Dr. Jessica Blois University of California, Merced
M.S. 2013	Conservation Ecology Laboratory of Dr. Johannes Foufopoulos School of Natural Resources and Environment University of Michigan, Ann Arbor
B.S. 2011	Program in the Environment College of Literature, Science, and the Arts University of Michigan, Ann Arbor
B.A. 2011	Art & Design School of Art & Design University of Michigan, Ann Arbor

## ACADEMIC POSITIONS

---

Post-doc 2021-24	National Science Foundation Postdoctoral Research Fellow in Biology Laboratory of Dr. Ian Wang University of California, Berkeley, USA Laboratory of Panayiotis Pafilis National & Kapodistrian University of Athens, Greece
---------------------	---

## PUBLICATIONS

---

\* *Indicates mentored student*

† *Indicates co-first authorship*

Chelini, M.C., **Brock, K.M.**, Yeager, J.D., and Edwards, D.L. 2021. Environmental drivers of sexual dimorphism in a lizard with alternative mating strategies. *Journal of Evolutionary Biology*.

\***BeVier, G.T., Brock, K.M.**, and Foufopoulos, J. 2021. Life on an island: the effects of insularity on the ecology and home range of the Aegean Wall Lizard (*Podarcis erhardii*). *Herpetological Conservation & Biology*.

\***Degen, R.**, and **Brock, K.M.** 2021 (in review). Rare behavioral observations of *Macrovipera schweizeri* from Sifnos island, Greece. *Herpetology Notes*.

**Brock, K.M.**, McTavish, E.J., and Edwards, D.L. 2021. Color polymorphism is a driver of diversification in the lizard family Lacertidae. *Systematic Biology*.

**Brock, K.M.**, Chelini, M.C., \***Madden, I.**, \***Ramos, C.**, \***Ayton, C.**, Pafilis, P., Blois, J., and Edwards, D.L. 2021 (in prep). Morph-specific antagonistic behavior in a color polymorphic lizard (*Podarcis erhardii*). *Animal Behaviour*.

\*†**Stadler, S.**, †**Brock, K.M.**, Foufopoulos, J. 2021 (in prep). The evolution of body size in an endemic island lizard, *Podarcis erhardii*.

**Brock, K.M.**, Baeckens, S., Donihue, C.M., Martín, J., Pafilis, P., and Edwards, D.L. 2020. Trait differences among discrete morphs of a color polymorphic lizard, *Podarcis erhardii*. *PeerJ*.

\***Madden, I.**, and **Brock, K.M.** 2018. Extreme records of cannibalism in a widely-distributed lizard species, *Podarcis erhardii*. *Herpetology Notes*.

\***Rosso, A.**, **Brock, K.M.**, and Foufopoulos, J. 2017. A new distribution record of the Javelin Sand Boa (*Eryx jaculus turcicus*) from Kinaros Island, Dodecanese, Greece. *Herpetozoa*.

Belasen, A., **Brock, K.M.**, Li, B., Chremou, D., Valakos, E., Pafilis, P., Sinervo, B., and Foufopoulos, J. 2016. Fine with heat, problems with water: microclimate alters water loss in a thermally adapted insular lizard. *Oikos*.

\***Mossman, A.**, **Brock, K.M.**, \***Culhane, K.**, \***Miller, Z.**, Pafilis, P., Donihue, C.M. 2016. An extreme new record of *Natrix natrix* (Linnaeus, 1758) from a Mediterranean islet in Greece. *Herpetozoa*.

Donihue, C. M., **Brock, K.M.**, Foufopoulos, J., Herrel, A. 2015. Feed or Fight: Testing the impact of food availability and intraspecific aggression on the functional ecology of an island lizard. *Functional Ecology*.

**Brock, K.M.**, Pafilis, P., Bednekoff, P., and Foufopoulos, J. 2015. Evolution of antipredator defenses in an island lizard species, *Podarcis erhardii* (Reptilia: Lacertidae): the sum of all fears? *Evolution*.

**Brock, K.M.**, Donihue, C. M., and Pafilis, P. 2014. New records of frugivory and ovophagy in *Podarcis* lizards from East Mediterranean Islands. *North-western Journal of Zoology*.

**Brock, K.M.**, Belasen, A., Foufopoulos, J. June, 2014. *Podarcis erhardii* Bifurcated tail post-autotomy. *Herpetological Review*.

## HONORS AND FELLOWSHIPS

---

2021	Postdoctoral Research Fellowship in Biology National Science Foundation (U.S.)
2021	Carol Tomlinson-Keasey Award University of California, Merced <i>Awarded annually to one graduating student whose influence, ideals and activities throughout their college career have left a lasting, positive impression on the institution and raises the standard of excellence for future generations</i>
2021	Invited Speaker International Herpetological Symposium
2020-21	President's Dissertation Year Fellow University of California
2020	University of California Outstanding Student Leadership Award <i>Awarded to RadioBio</i>
2020	Best Teaching Practice Award California Higher Education Sustainability Conference <i>For Carson House Living Learning Community curriculum development</i>
2018-20	Carson House Living Learning Community Fellow <i>Teaching Fellow and Lead Instructor</i>
2019	Ford Foundation Dissertation Fellowship <i>Honorable Mention</i>
2018	William Shadish Fellowship University of California, Merced <i>For excellence in research and teaching</i>
2018	Student Organization President of the Year <i>For RadioBio and Women in STEM</i>
2018	Ford Foundation Pre-Doctoral Fellowship <i>Honorable Mention</i>

- 2017-18 Faculty Mentor Fellow  
University of California, Merced
- 2017 Fred & Mitzie Ruiz Fellowship  
*For contributing to diversity and equal opportunity in higher education through academic career and community service*
- 2017 Women's Programs Outstanding Graduate Student Award  
*For leadership of Women in STEM*
- 2017 Southern California Edison Fellow
- 2017 School of Natural Sciences Dean's Distinguished Scholar Fellow  
*For outstanding research, STEM community engagement, and academic record*
- 2016 National Geographic Explorer
- 2016 Sigma Xi Scientific Honor Society (Full Member)
- 2013 International Institute Graduate Research Fellow  
University of Michigan
- 2011-13 Envoys Diversity Fellow  
School of Natural Resources & Environment  
University of Michigan  
*Fellowship awarded to increase diversity, equity, and inclusion in the SNRE graduate program*
- 2011 Outstanding Academic Scholar Fellowship  
School of Natural Resources & Environment  
University of Michigan  
*Recruitment fellowship recognizing academic excellence*
- 2010 Donald R. Shephard Leadership Award Scholarship  
Michigan Marching Band  
University of Michigan
- 2009 Global Intercultural Engagement for Undergraduates Scholar  
The Hope Project - New Delhi, India  
University of Michigan

## **RESEARCH GRANTS**

---

**\*indicates mentored student**

2021	Postdoctoral Research Fellowship in Biology National Science Foundation \$120,000
2020	UC Merced Graduate Division \$5,000
2019	*ASUCM Undergraduate Research Grant ( <b><u>C. Ayton</u></b> ) University of California, Merced \$1,000
2019	Lewis & Clark Exploration Fund American Philosophical Society \$5,000
2019	*John Muir Research Grant ( <b><u>S. Stadler</u></b> ) University of Michigan \$4,000
2019	*Modern Greek Research Fellowship ( <b><u>S. Stadler</u></b> ) University of Michigan \$1,200
2019	Southern California Edison Fund University of California, Merced \$13,065
2018	Graduate Student Research Award Society of Systematic Biologists \$1,500
2018	Natural History Grant International Herpetological Symposium \$1,000
2018	Grants in Herpetology Society for the Study of Reptiles and Amphibians \$500
2018	*ASUCM Undergraduate Research Grant ( <b><u>I. Madden</u></b> ) University of California, Merced \$1,000
2016	National Geographic Explorers - Waitt Grant National Geographic Society

	\$15,000
2016	Texas EcoLab Research Grant Co-PI \$13,955
2016	Southern California Edison Fund University of California, Merced \$13,065
2016	Rosemary Grant Award Society for the Study of Evolution \$2,500
2016	Summer Research Fellowship Quantitative & Systems Biology University of California, Merced
2016	*ASUCM Undergraduate Research Grant ( <u><i>I. Madden</i></u> ) University of California, Merced \$1,000
2016	Leadership Award Quantitative & Systems Biology University of California, Merced \$100
2013	International Institute Individual Fellowship University of Michigan \$4,350
2013	Rackham Graduate School International Conference Grant University of Michigan \$1,000
2012	School of Natural Resources & Environment Research Grant University of Michigan \$1,000
2012	Rackham Graduate School Research Grant University of Michigan \$1,500
2012	Museum of Zoology Walker Fund

	University of Michigan \$2,000
2012	International Institute Research Award University of Michigan \$5,000
2011	Envoy Fellow Award University of Michigan \$20,000

## OUTREACH AND SERVICE FUNDING

2019	University Friends Circle Community Engagement Award <i>For RadioBio outreach in Merced, CA</i> \$1,000
2019	UC Merced Graduate Student Organization Fund <i>For RadioBio &amp; SACNAS Diversity Seminar</i> \$100
2018	UC Merced Student Union Fund <i>For RadioBio &amp; SACNAS Diversity Seminar</i> \$1,990
2018	UC Merced Inter-Club Council Fund <i>For Women in STEM Scientific Computing Workshop</i> \$336
2018	UC Merced Inter-Club Council Fund <i>For RadioBio &amp; SACNAS Diversity Seminar</i> \$405
2018	UC Merced Graduate Student Association Fund <i>For RadioBio Presents: ValleyBio – community art &amp; science event in downtown Merced</i> \$350
2017	UC Merced Graduate Division <i>Awarded by the Dean, for RadioBio science outreach in Merced</i> \$500
2017	UC Merced School of Natural Sciences <i>Awarded by the Dean, for RadioBio science outreach in Merced</i>

	\$700
2016	UC Merced Quantitative & Systems Biology <i>Awarded by the graduate program executive committee to start RadioBio, a science communication podcast run by QSB graduate students</i> \$1,000
2016	UC Merced Graduate Student Organization Fund <i>For Women in STEM Mentorship Program programming</i> \$400

## TEACHING

---

### *Instructor of Record*

2018-20	Carson House: Sustainable Futures Living Learning Community (USTU10)
---------	--

### *Teaching Assistant*

2016	Evolution (BIO141) School of Natural Sciences University of California, Merced
2015-16	Contemporary Biology (BIO100) School of Natural Sciences University of California, Merced
2013	Conservation Biology (ENVIRON317) College of Literature, Science & the Arts University of Michigan
2012-13	Ecological Issues (ENVIRON201) College of Literature, Science & the Arts University of Michigan
2011-13	Michigan Marching Band (ENS348) School of Music University of Michigan

### *Pedagogy Instruction*

2017	Assessment as Pedagogy & Planning Learning Community University of California, Merced
2013	Graduate Teaching Assistant Mentor University of Michigan



### ***Pedagogy Training***

2019	Mental Health First Aid in Higher Education
2015-17	Center for Engaged Teaching and Learning (CETL) Instructional Internship
2016	Assessment as Pedagogy and Planning Learning Community
2016	Graduate Instructional Training (CETL UC Merced)
2016	Developing Teaching Strategies (CETL UC Merced)
2015	Mastering the Classroom with First Generation College Students (CETL UC Merced)
2015	Improving Teaching by Assessing Learning (CETL UC Merced)

### **WORK EXPERIENCE**

---

National Science Foundation Postdoctoral Fellowship in Biology University of California, Berkeley & National and Kapodistrian University of Athens Postdoc and Principal Investigator co-sponsored by Dr. Ian Wang (UC Berkeley) and Dr. Panayiotis Pafilis (NKU Athens). Investigating color polymorphism as a model system for predicting phenotypic evolution in nature.	2021-24
STEM Curriculum Developer Bay Area Discovery Museum, Sausalito CA Assistant Manager of STEM Public Programming. Responsible for all STEM curriculum development for public programming at the Bay Area Discovery Museum. Lead facilitator for Science Lab, Nature Lab, and Maker Lab.	2014-15
Research Assistant Alison Davis Rabosky Lab, University of Michigan Post-M.S. research investigating patterns of anti-predator behavior and evolution in Western Ground Snakes, <i>Sonora semiannulata</i> . Performed extensive animal husbandry duties for over 30 snakes, including terraria design and maintenance. Wrote animal care protocols (UCUCA approved), and designed and built experimental set-up for behavioral trials. Prepared specimens for UM Museum of Zoology Herpetology collection for future research.	2014
Field Researcher University of Michigan Museum of Zoology In collaboration with the University of Michigan Matthaei Botanical Gardens and the Field Museum of Natural History in Chicago, Illinois. Surveyed university properties for the endangered Kirtland's Snake ( <i>Clonophis kirtlandii</i> ). Deployed cover boards for capture,	2014

used standard field methodologies and protocols for handling and capture of specimens, and managed team of volunteer assistants for data collection. Trained and supervised assistants on handling venomous rattlesnake species, as well as all other herpetofauna native to southeast Michigan. Collected and prepared specimens for UM Museum of Zoology Herpetology collections.

Graduate Student Research Assistant 2011-13

University of Michigan

Collated 10 years of ecological and distributional data on the herpetofauna of Greece and contributed to dataset through two seasons of in-situ fieldwork. Performed lizard, snake, and amphibian husbandry, statistical analysis of data, and literature review. Recruited, trained, and supervised an international team of undergraduate field assistants. Collected and preserved herpetological specimens for the University of Michigan Museum of Zoology Herpetology Division, University of Athens collections, and University of Crete collections. Authored two short herpetology publications, and one full-length manuscript.

Lab Assistant and Collections Caretaker 2010-11

University of Michigan Museum of Zoology – Herpetology Division

Preservation and care of Herpetology Division research collections and associated metadata. Initiated digitization of field note library dated back to late 1800s for historical preservation and online access for herpetological researchers. Catalogued and preserved new specimens delivered to the Herpetology Division. Geo-located specimens for museum-wide dataset. Trained and supervised high school volunteers. Interpretation and docent for zoology wing of museum.

Lab Assistant 2009-11

Mark D. Hunter Lab, University of Michigan

Assisted in chemical ecology research focused on plant-herbivore interactions. Performed field data collection including insect identification and counts, preparation of milkweed tissue samples for DNA extraction, trichome counts, and butterfly catching. Performed laboratory duties including milkweed and butterfly husbandry, DNA extraction, and data entry.

Apprentice in Sculpture 2008-10

Louis Marinaro Studio, Ann Arbor MI

Apprentice under sculptor Louis Marinaro. Created base structures for several commissioned sculptures. Rendered, wired, molded, and modeled mock-ups for presentation. Skilled in traditional bronze sculpture, from ideation to casting. Coordinated studio schedule and maintained studio space.

## **FIELD EXPERIENCE**

---

Eco Explorers 2008

Big Bend, Texas, United States

Environmental education and service field course focused on the flora, fauna, and geology of Big Bend National Park. Semester-long course in School of Art & Design that created lessons for local elementary school children on desert environmental science. Month-long

field component in Big Bend NP hiking through extreme and isolated desert habitat performing trail erosion mitigation.

- Milkweed Molecular Ecology 2009-10  
University of Michigan Biostation, Michigan, United States  
Undergraduate field research assistantship. Travelled with the Mark Hunter Lab for several week-long field sampling trips to Northern Michigan for milkweed genetic sampling, biodiversity monitoring of study plots, and plant predator surveys.
- Eco Explorers 2010  
Ranobe, Madagascar  
Sustainability education and service field course focused on sustaining the biodiversity of Ranobe, Madagascar while implementing energy, water, and food system technologies. Semester-long course in School of Art & Design that created lessons for local elementary school children on endemism and conservation of biodiversity. Month-long field component in Ranobe, Madagascar in collaboration with villagers and NGO Ho Avy to engineer and build clean water pumps, solar ovens, and paint a mural for the newly built research center.
- Kirtland's Snake Surveys 2011  
Matthaei Botanical Gardens, Ann Arbor, Michigan, United States  
Surveyed University of Michigan properties for the endangered Kirtland's Snake (*Clonophis kirtlandii*). Collected and prepared specimens for UM Museum of Zoology Herpetology collections. Deployed cover boards for snake capture and population monitoring. Managed team of undergraduate herpetologist field assistants for data collection.
- Lizard Anti-predator Behavior Research 2011-13  
Cyclades Islands, Greece  
Master's research advised by Professor Johannes Foufopoulos at the University of Michigan. Conducted two three month-long field seasons in the Cyclades islands, Greece. Performed laboratory experiments and field observations of lizard anti-predator behavior. Wrote three first author manuscripts (Brock *et al.*, 2014; 2014; 2015).
- Lizard Color Evolution and Phylogeography Research 2016-17  
Southwestern United States  
Performed several week-long field trips across California, Nevada, Arizona, and Utah to document genetic and color morph variation in distinct populations of Side-blotched lizards (*Uta stansburiana*). Co-authored IACUC protocols, caught lizards and measured their color with spectrophotometer and full-spectrum UV camera, measured lizard morphometrics, and recorded lizard microhabitat data.
- Evolution of Color Polymorphism in Island Lizards Research 2017-19  
Cyclades Islands, Greece  
Ph.D. dissertation research advised by Professor Jessica Blois at the University of California, Merced. Conducted three three-month long field expeditions to the Cyclades

islands, Greece. Supervised and fully funded three teams of undergraduate field assistants during international field trips. Sampled 46 populations of Aegean wall lizards (*Podarcis erhardii*) to measure behavior, morphology, other functional traits, genetic diversity, and evolutionary history of the species. Published several first author manuscripts (Rosso *et al.*, 2017; Madden *et al.*, 2018; Brock *et al.*, 2020; Brock *et al.*, 2021).

Herpetofauna of the Sporades Islands Research 2020  
Sporades Islands, Greece  
Week-long expedition across the uninhabited northern Sporades islands in collaboration with other Greek Herpetofauna experts to conduct extensive biodiversity surveys. Responsible for surveying lizards and skinks. Published one

## CERTIFICATIONS

---

Wilderness First Aid 2019-21  
Conferred by Sierra Rescue – includes CPR certification. Trained in safety protocols and best practices for taking field assistants into harsh environments for data collection.

Mental Health First Aid 2019  
Conferred by Teri Campos, School of Natural Sciences Student Coach at the University of California, Merced. Trained as a Mental Health First Responder and versed in resources available to folks for different situations.

Graduate Instructional Training, UC Merced 2016  
Conferred by the Center for Engaged Teaching and Learning for facilitating three graduate teacher training workshops focused on achieving student learning through assessment.

Mastering the Classroom with 1<sup>st</sup> Generation College Students, UC Merced 2015  
Conferred by the Center for Engaged Teaching and Learning for participating in four seminars targeted at supporting first generation college students in their learning.

Developing Teaching Strategies, UC Merced 2015  
Conferred by the Center for Engaged Teaching and Learning for participating in four seminars focused on critical thinking, active learning strategies, best practices for large and small classrooms.

Improving Teaching by Assessing Learning, UC Merced 2015  
Conferred by the Center for Engaged Teaching and Learning for participating in four seminars focused on backwards curriculum design, designing rubrics, instructional assessment, and student evaluations.

Graduate Teaching Certificate, University of Michigan 2013  
Conferred by the Center for Research on Learning and Teaching at the University of Michigan for completing professional development courses in teaching, teaching mentorship, and five semesters of college-level teaching.

## UNIVERSITY GUEST LECTURES

---

Island Biology (2021)

BIOL 481 – Evolution in Isolation: The Aegean Archipelago, University of Hawaii at Hilo

Conservation Biology (2018)

BIO 149 – Invasive Species, University of California, Merced

Conservation Biology (2018)

BIO 149 – Climate Change, University of California, Merced

Coevolution (2016)

BIO 141 – Evolution, University of California, Merced

Natural and Sexual Selection in the Speciation Continuum (2016)

BIO 141 – Evolution, University of California, Merced

Megafaunal Extinctions in the Pleistocene (2013)

ENVIRON317 – Conservation Biology, University of Michigan

Sustainable Food Systems (2012)

ENVIRON201 – Ecological Issues, University of Michigan

## INVITED TALKS AND SEMINARS

---

International Herpetological Symposium.

July 21, 2021 Rodeo, New Mexico. “Evolving in Isolation: Population Divergence In An Island Lizard Color Polymorphism”

American Philosophical Society Public Seminar Series.

September 8, 2020 (Virtual). “Evolving in isolation: Aegean wall lizards”

International *Podarcis* Meeting.

July 14, 2020 (Virtual). “The evolution of color morphs within and among species”

Eastern Michigan University – Biology Department Seminar.

December 3, 2019 Ypsilanti, MI, USA. “Causes and consequences of color polymorphism at multiple evolutionary scales”

Instituto Madre Cabrini di Milano.

July 5, 2019 Naxos, Greece. “The evolution of color in Aegean Wall Lizards”

Rotary Club of Merced Sunrise – Rotary International.

January 11, 2019 Merced, CA, USA. “Drivers of divergence: Using colorful lizards in the Greek islands to understand evolution, divergence, and speciation”

EnviroLunch Seminar – UC Merced.

April 19, 2019 Merced, CA, USA. “Orange lizard, white lizard, yellow lizard, one lizard: The evolution of multiple color morphs within species”

California State University, Stanislaus – Biology Department Seminar.

April 5, 2019. “Orange lizard, white lizard, yellow lizard, one lizard: the evolution of color morphs within species”

## CONFERENCES

---

\* *Indicates mentored student*

† *Indicates co-first authorship*

*Conference Presentations*

- Brock, K.M.** 2021. Morph identity predicts social behavior and contest outcomes in a color polymorphic lizard, *Podarcis erhardii*. Joint Meeting of Ichthyology and Herpetology. Virtual.
- Brock, K.M.** 2021. Causes and consequences of color polymorphism: from micro to macroevolution. Evolution 2021. Virtual.
- Brock, K.M.** 2021. The evolution of color polymorphism across evolutionary scales, from populations to a family of species. International Herpetological Symposium 2021. Rodeo, NM.
- Brock, K.M.**, McTavish, E.J., and Edwards, D.L. 2020. The evolution of color polymorphism in the Lacertidae. Society of Systematic Biologists 2020. Gainesville, FL.
- Brock, K.M.**, Boria, R., Yeager, J., and Edwards, D.L. 2018. The evolution of sexual dichromatism in Australian agamids. Quantitative & Systems Biology Retreat. Merced, CA.
- Brock, K.M.**, Yeager, J., and Edwards, D.L. 2018. The evolution of niche breadth and pattern complexity in Australian agamids. Meeting of the American Society of Naturalists, Asilomar, CA.
- Brock, K.M.**, Pafilis, P., Bednekoff, P., Foufopoulos, J. 2013. Erosion of anti-predator defenses in a multi-predator environment. Meeting of the Zoological Society of Israel, Tel Aviv, Israel.
- Brock, K.M.**, Pafilis, P., Bednekoff, P., and Foufopoulos, J. 2013. 'Erosion of anti-predator defenses in an insular lizard species (*Podarcis erhardii*).' 2013. School of Natural Resources & Environment Capstone Conference, Ann Arbor, MI.

### ***Conference Posters***

- \***Ayton, C.**, Edwards, D.L., and **Brock, K.M.** Ecto-parasite loads differ in discrete color morphs in Aegean Wall Lizards (*Podarcis erhardii*). 2020. UC Merced Research Week, Merced, CA.
- Brock, K.M.**, and Edwards, D.L. The evolution of color polymorphism at multiple evolutionary scales. Evolution 2019, Providence, RI.
- \***Madden, I.**, **Brock, K.M.**, Ramos, C., and Edwards, D.L. An Investigation into the Possibility of Correlational Selection Between Color Polymorphism and Anti-Predator Behavior in Aegean Wall Lizards. 2019. UC Merced Research Week, Merced, CA.
- Brock, K.M.**, and Edwards, D. The evolution of color polymorphism in the Lacertidae. Evolution 2018, Montpellier, France.
- \***Madden, I.**, and **Brock, K.M.** Lizard Comparative Morphology in a Fragmenting Landscape. 2018. UC Merced Research Week, Merced, CA.
- \***Degen, R.**, Yeager, J., **Brock, K.M.**, and Edwards, D.L. 2017. Are male *Uta stansburiana* more conspicuous than females? UC Merced UROC. Merced, CA.
- Brock, K.M.**, Yeager, J., and Edwards, D. Generalists and sexual dimorphism: Do species with greater niche breadth exhibit greater sexual dimorphism? Evolution 2016, Austin, TX.
- Brock, K.M.**, Yeager, J., and Edwards, D. Correlated Evolution of niche breadth and pattern complexity in Australian agamid lizards. 2016. Quantitative & Systems Biology Retreat, Mariposa, CA.
- Brock, K.M.**, Pafilis, P., Bednekoff, P., and Foufopoulos, J. Evolution of anti-predator behavior in an island lizard species, *Podarcis erhardii*. 2014. School of Natural Resources & Environment Capstone Conference, Ann Arbor, MI.

- Brock, K.M.**, Pafilis, P., Bednekoff, P., and Foufopoulos, J. Evolution of anti-predator defenses across the Greek Archipelago. 2014. Gordon Research Conference – Predator-Prey Interactions, Ventura, California.
- Belasen, A., **Brock, K.M.**, Li, B., Pafilis, P., and Foufopoulos, J. 2012. ‘Thermal ecology in island populations of the Aegean wall lizard *Podarcis erhardii*’. 12<sup>th</sup> Mediterranean ICZEGAR, Athens, Greece.
- Li, B., Bednekoff, P., **Brock, K.M.**, Belasen, A., Pafilis, P., Valakos, E., and Foufopoulos, J. 2012. Effects of feral cats on the evolution of antipredator behaviors in the Aegean wall lizard *Podarcis erhardii*. World Congress of Herpetology, Vancouver, B.C., Canada.
- Brock, K.M.**, Pafilis, P., Bednekoff, P., and Foufopoulos, J. Evolution of anti-predator defenses in an insular lizard species, (*Podarcis erhardii*). 2013. 9<sup>th</sup> Annual Early Career Scientists Symposium, Ann Arbor, MI.

### ***Conference Service***

Evolution 2020.

Organizer - Evolution Community Resources for Early Career Researchers

Organizer & Co-host - SSB ECR Fireside Chat

Evolution 2019.

Volunteer - Safe Evolution

## **MENTORING ACTIVITIES**

---

### ***Undergraduate Students***

- 2012 Mary White, University of Michigan – Field assistant
- 2013 Joseph Robert Joslin, University of Michigan – Field assistant
- 2014 Angus Mossman, Kate Culhane, and Zachary Miller, Yale University – Field assistants, co-authors
- 2015 Co-founded UC Merced Women in Science, Technology, Engineering, and Math Mentorship Program
- 2016-2018 Noella Bih, UC Merced – W-STEM mentee, SACNAS
- 2016-2017 Adam Andres Rosso, UC Merced – Field assistant, co-author
- 2016-2018 Indiana Madden, UC Merced – Field assistant, lab assistant, co-author, W-STEM mentee
- 2016-2018 Cynthia Ramos, UC Merced – Field assistant, co-author, W-STEM mentee
- 2016-2019 Robert Degen, UC Merced – Field assistant, lab assistant, co-author
- 2018-2020 Cole Ayton, UC Merced – Field assistant, lab assistant, co-author
- 2018-2019 Austin John Escobar, UC Merced – Carson House Living Learning Community Ambassador
- 2018-2019 Stephanie Ross, UC Merced – Carson House Living Learning Community Ambassador
- 2019 Shelby Stadler, University of Michigan – Field assistant, co-author
- 2019-2020 Eddie Phosalath, UC Merced – Carson Club President and mentee
- 2019-2020 Jazmin Reyes, UC Merced – Lab assistant
- 2019-2020 Mindy Fernandez, UC Merced – Lab assistant
- 2019-2020 Tacoria Perry, UC Merced – Carson House Living Learning Community Ambassador

- 2019-2020 Kayla Coubal, UC Merced – Carson House Living Learning Community Ambassador
- 2019-2020 Elizabeth McDonald, UC Merced – Lab and Research assistant
- 2020-2022 Graham BeVier, U Michigan – Research Mentor, co-author
- 2020 Ashley Valdez, UC Merced – SACNAS
- 2020 Perla Martos, UC Merced – SACNAS

### ***Graduate Students***

- 2016-2017 Craig Ennis, UC Merced – GradEXCEL Peer Mentor Program
- 2016-2017 Graham Larue, UC Merced – GradEXCEL Peer Mentor Program
- 2017-2018 Lesly Lopez, UC Merced – GradEXCEL Peer Mentor Program
- 2017-2018 Diego Lopez, UC Merced – GradEXCEL Peer Mentor Program
- 2017-2019 Lillie Pennington, UC Merced – RadioBio
- 2020 Adam Rosso, Georgia Southern University – Research Mentor
- 2019-2021 Shelby Stadler, University of Michigan – M.S. Thesis Committee Member, Master's Co-advisor

## **SCIENCE OUTREACH AND COMMUNICATION**

---

### ***Society Outreach***

- Early Community Resources for Early Career Researchers (ECR2). A virtual Evolution 2020 Conference made by and for early career evolutionary biologists due to COVID-19. As SSB council representative, collaborated with graduate council members of Society for the Study of Evolution and American Society of Naturalists to deliver a conference experience with plenary on African Americans in Evolutionary Science, grant and coding workshops, career panels, and networking opportunities.
- Society of Systematic Biologists Student Highlights. A social media campaign to highlight the diversity and scholarship of SSB student members.

### ***Interviews and Media Coverage of Scientific Activities***

- Interviewed by Jolyon Sutcliffe. *Animals Behaving Badly*. Television Program. British Broadcasting Company (BBC). July 2017 – Naxos, Greece. Aired on BBC in UK Summer 2018, PBS in US Spring 2018.
- Interviewed by Herpetologist's League. *Herpetologist Highlight*. Journal. Herpetologist's League. September 2018 – Merced, CA, United States. Published online December 2018.

### ***Science Communication and Outreach***

- Dinner with a Scientist at UC Merced. Annual outreach event to expose high school girls in the small town of Mariposa, CA, to local women in science and engage with them intellectually.
- ValleyBio: A Night of Science, Art, and Music. RadioBio ([www.radiobio.net](http://www.radiobio.net) and [valleybio.info](http://valleybio.info)) community science outreach event. October 19, 2018 at the Merced Multicultural Arts Center. <https://www.radiobio.net/events/>
- Invited Memoir Contributor. Society for the Study of Reptiles and Amphibians – University of Michigan Herpetology Division SSAR 2020 Commemorative Book Project.



Founding President, Artist, Producer, and Crew Member of RadioBio podcast -  
www.radiobio.net

*Our mission is to increase scientific literacy in the California Central Valley and beyond through biology-themed podcasts that communicate biological research and its societal implications.*

## **SERVICE**

---

UC Merced Sustainability Council 2019-2020  
Society of Systematic Biologists Student Council Representative 2019-2020  
G Street Revolution – Trumpet (UC Merced Faculty Band) 2018 – 2020  
UC Merced Quantitative & Systems Biology Graduate Recruitment Committee 2018-19  
UC Merced Womxn’s Empowerment Conference Committee – 2018  
UC Merced RadioBio Podcast Founder and President – 2016 – 2020  
UC Merced Grad EXCEL Mentor – 2016 – 2018  
UC Merced Women in STEM Founder and President – 2016 – 2020  
UC Merced Women in STEM Mentorship Program Founder, UC Merced – 2015  
UC Merced Women in STEM Steering Committee – 2015 – 2016  
UC Merced Quantitative & Systems Biology Events Committee – 2015 – 2016  
Detroit Zoological Society Portal to the Public Lecturer – 2014  
Washtenaw County Bird Center Volunteer – 2010 – 2014  
Ann Arbor Natural Areas Preservation Volunteer– 2010 – 2014  
U. of Michigan Building Environmental Awareness and Relationships Mentor – 2013 – 2014  
U. of Michigan Herpetology Club Founding Member – 2013  
National Oceanic Science Bowl - Great Lakes Quiz Bowl – 2013  
U. of Michigan SNRE Conservation Ecology Track Leader – 2012 – 2013  
U. of Michigan SNRE Envoys Diversity Working Group - Co-President 2011 – 2013  
U. of Michigan SNRE Scholarship Committee – 2011 – 2013  
U. of Michigan Cultivating Community – 2009 – 2013  
U. of Michigan Marching Band Rank Leader – 2009 – 2010

## **SCIENTIFIC SOCIETIES**

---

Societas Hellenic Herpetologica 2021-present  
Societas Europaea Herpetologica 2021-present **Conservation Committee 2021**  
Linnean Society (Student Associate) 2020-present  
Society of Systematic Biologists 2018-present **Student Council Representative 2019-2020**  
Graduate Women in Science 2017-present  
Sigma Xi Scientific Research Society 2016-present  
American Association for the Advancement of Science 2016-present  
Society for the Study of Evolution 2016-present  
Herpetologist’s League 2012-present  
Animal Behavior Society 2012-2013  
Michigan Society of Herpetologists 2012-present  
Ecological Society of America 2011-2013  
Society for the Study of Amphibians and Reptiles 2011-present

## PROFESSIONAL REFERENCES

---

- Dr. Jessica Blois – Ph.D. Advisor, Mentor  
University of California, Merced School of Natural Sciences  
E-mail: jblois@ucmerced.edu Tel: (209) 228-2256
- Dr. Jason Sexton – Dissertation Committee Chair  
University of California, Merced School of Natural Sciences  
E-mail: jsexton2@ucmerced.edu Tel: (209) 228-2426
- Dr. Emily Jane McTavish – Dissertation Committee Member, Research Collaborator  
University of California, Merced School of Natural Sciences  
E-mail: ejmctavish@ucmerced.edu Tel: (209) 228-3453
- Professor Joe Trumpey – Professor, Mentor  
University of Michigan School of Art & Design  
E-mail: jtrumpey@umich.edu Tel: (517) 605-1321
- Dr. Frederick Wolf – Professor, RadioBio Faculty Advisor  
University of California, Merced School of Natural Sciences  
E-mail: fwolf@ucmerced.edu Tel: (415) 370-1132
- Dr. Peter Bednekoff – M.S. Thesis Committee Member, Research Collaborator  
Eastern Michigan University, Department of Biology  
E-mail: pbednekof@emich.edu, Office Tel: (734) 487-2312
- Dr. Paul Webb – Primary Instructor and Co-Teacher Environ 201  
Director of University of Michigan Program in the Environment (Retired)  
E-mail: pwebb@umich.edu
- Gregory Schneider – Herpetology Collections Manager  
University of Michigan Museum of Zoology  
E-mail: ges@umich.edu, Office Tel: (734) 647-1927
- Dr. Panayiotis Pafilis – Research Collaborator  
National and Kapodistrian University of Athens Department of Zoology, Greece  
E-mail: ppafil@biol.uoa.gr Office Tel: [30] 210 727 4544
- Dr. Shai Meiri – Research Collaborator  
University of Tel-Aviv Department of Zoology, Israel  
E-mail: uncshai@post.tau.ac.il Office Tel: 972-(0)3-6409811