

EDUCATION

Binghamton University, State University of New York, Binghamton, NY **Fall 2019-Present**
PhD in Biology
Advisor: Dr. Lindsey Swierk

Fairfield University, Fairfield, CT **Fall 2013-Spring 2017**
Bachelor of Science in Biology, 2017, *Cum laude*
Advisor: Dr. S. Ashley Byun

PUBLICATIONS

Martin, A.M., Cordero, D., Swierk, L. (2025). Anolis lizards dive longer when rebreathing bubbles in water with greater dissolved oxygen content and lower flow rates. *In prep.*

Huang, K., Kryger, A. Tabrizifard, K., Yang, J., **Martin, A. M.**, Swierk, L. (2025). Madagascar hissing cockroaches aggregate more under low-humidity conditions. *In prep.*

Martin, A. M., Boccia, C. K., & Swierk, L. (2024). Diving behavior in semi-aquatic *Anolis* lizards results in heat loss with sex-specific cooling tolerance. *Behavioral Ecology and Sociobiology*, 78(33).

Boccia, C. K., Swierk, L., Ayala-Varela, F. P., Boccia, J., Borges, I. L., Estupiñán, C. A., **Martin, A. M.**, Martínez-Grimaldo, R. E., Ovalle, S., Senthivasan, S., Toyama, K. S., del Rosario Castañeda, M., García, A., Glor, R. E., & Mahler, D. L. (2021). Repeated evolution of underwater rebreathing in diving *Anolis* lizards. *Current Biology*, 31(13), 2947-2954.

HONORS, AWARDS, GRANTS, FELLOWSHIPS

Binghamton University Graduate School Travel Grant **2025**
• Awarded to fund (\$684) travel to attend conference of Society of Integrative & Comparative Biology for presentation entitled “Diving in semi-aquatic *Anolis* lizards results in heat loss with sex-specific cooling tolerance”

Charlotte Mangum Student Support Award **2025**
• Awarded to fund housing to attend 2025 conference of Society of Integrative & Comparative Biology for presentation entitled “Diving in semi-aquatic *Anolis* lizards results in heat loss with sex-specific cooling tolerance”

Charlotte Mangum Student Support Award **2024**
• Awarded to fund housing to attend 2024 conference of Society of Integrative & Comparative Biology for presentation entitled “Thermoregulatory behaviors and effects of water characteristics on dive duration in *Anolis aquaticus*”

Syzmanski Travel Award 2023

- Awarded to fund (\$500) travel to 2024 conference of Society of Integrative & Comparative Biology for presentation entitled “Thermoregulatory behaviors and effects of water characteristics on dive duration in *Anolis aquaticus*”

Sigma Xi Grants in Aid of Research 2023

- Awarded to fund (\$986) field season to study thermal preferences and diving physiology of *Anolis aquaticus*.

Beagle Graduate Research Grant 2023

- Awarded to fund (\$2000) field season to study thermal preferences and diving physiology of *Anolis aquaticus*.

Harpur College Graduate Investment Initiative 2023

- Awarded to fund (\$1000) field season to study thermal preferences and diving physiology of *Anolis aquaticus*.

Binghamton University Graduate School Travel Grant 2023

- Awarded to fund (\$196.28) field season to study thermal preferences and diving physiology of *Anolis aquaticus*.

Binghamton University Graduate School Travel Grant 2022

- Awarded to fund (\$902.25) travel to 2022 conference of the Ecological Society of America to present a poster entitled “Antipredator behavior and microhabitat preferences differ between the sexes in *Anolis aquaticus*”

Best Poster Presentation, Annual Binghamton BGSO Symposium 2022

- Awarded to presentation entitled “Antipredator strategy and microhabitat preferences differ between sexes in *Anolis aquaticus*.”

American Society of Ichthyologists and Herpetologists Gaige Fund Award 2021

- Awarded to fund (\$1,000) field season to study the plasticity of *Anolis aquaticus* antipredator diving behavior in variable environments.

Animal Behavior Society Justice, Equity, Diversity, and Inclusion award 2021

- Awarded to fund (\$925) field season to study the plasticity of *Anolis aquaticus* antipredator diving behavior in variable environments.

Chicago Herpetological Society Grant for Graduate Student Research in Herpetology 2021

- Awarded to fund (\$750) field season to study the plasticity of *Anolis aquaticus* antipredator diving behavior in variable environments.

Fairfield University Biology Department Award for Academic Excellence 2017

- Awarded to a single student in a graduating class in recognition of outstanding academic performance in the Biology major.

Sigma Xi, Associate member, Fairfield University chapter **2017**

Global Service Scholarship **2016**

- Awarded by Fairfield University's Center for Faith and Public life to fund (\$1000) field expedition to Brazil

Mancini Scholarship **2016**

- Awarded by Fairfield University to fund (\$2450) field expedition to Brazil.

Global Service Scholarship **2015**

- Awarded by Fairfield University's Center for Faith and Public Life to fund (\$1000) field expedition to Brazil as part of a tropical zoology course

Guillet Summer Internship **June 2016-July 2016**

- Research experience internship awarded by the Fairfield University Biology Department to fund (\$2500) 8-week research experience with faculty member.

PRESENTATIONS & POSTERS

Invited Lectures

Binghamton University, Lecture, Ecology Course. Binghamton, NY, USA **2022**

Binghamton University, Lecture, Animal Behavior Course. Binghamton, NY, USA **2023, 2024**

Selected Contributed Presentations at Scientific Meetings (o – oral, p – poster)

°SICB **2025**

Martin AM, Boccia CK, Swierk L. Diving behavior in semi-aquatic *Anolis* lizards results in heat loss with sex-specific cooling tolerance

°SICB **2024**

Martin AM, Cordero D, Mihalik A, Swierk L. Thermoregulatory behaviors and effects of water characteristics on dive duration in *Anolis aquaticus*.

°Binghamton University BGSO Symposium **2024**

Martin AM, Cordero D, Mihalik A, Swierk LN. Thermoregulatory behaviors and effects of water characteristics on dive duration in *Anolis aquaticus*.

°ESA & CSEE Joint Conference **2023**

Martin AM, Cordero D, Mihalik A, Swierk L. Thermoregulatory behaviors and effects of water characteristics on dive duration in *Anolis aquaticus*.

°Binghamton University BGSO Symposium **2023**

Martin AM & Swierk L. Antipredator strategy and microhabitat preferences differ between the sexes in *Anolis aquaticus*.

- °ESA & CSEE Joint Conference** **2022**
Martin AM & Swierk L. Antipredator strategy and microhabitat preferences differ between the sexes in *Anolis aquaticus*.
- °Binghamton University BGSO Symposium** **2022**
Martin AM & Swierk L. Antipredator strategy and microhabitat preferences differ between the sexes in *Anolis aquaticus*.
- °ABS Virtual Conference** **2020**
Martin AM & Swierk L. Thermal costs are associated with the antipredator diving behavior of *Anolis aquaticus*.
 McCarthy JJ, **Martin AM**, Swierk L. The relationship of morphology and antipredator behavior in a semi-aquatic lizard.
- °International Sea Turtle Symposium: Las Vegas, NV** **2017**
 Martin KR, Lara PH, Almeida DT, **Martin AM**, Byun SA. The First Minutes at Sea: an investigation of the cue-dependent navigational decisions of hatchling loggerhead sea turtles (*Caretta caretta*).
- °Connecticut's Beardsley Zoo Lecture Series: Fairfield University, Fairfield, CT** **2017**
 Biardi K, Ragonesi N, **Martin AM**. The Response Behaviors of *Myrmecophaga tridactyla* to Acoustic Stimuli.
- °Sigma Xi Symposium: Fairfield University, Fairfield, CT** **2017**
 Biardi K, Ragonesi N, **Martin AM**. The Response Behaviors of *Myrmecophaga tridactyla* to Acoustic Stimuli
- °Association of Zoos & Aquariums Annual Conference: San Diego, CA** **2016**
Martin AM, Porter S, Tomas R, Knox J, Byun SA. Big Babies: A Behavioral Study of the Birth and Rearing of a Giant Anteater at the Connecticut's Beardsley Zoo.
- °Connecticut's Beardsley Zoo Lecture Series: Fairfield University, Fairfield, CT** **2016**
Martin AM, Porter S. Behavioral and Developmental Observations of *Myrmecophaga tridactyla* at Connecticut's Beardsley Zoo.
- °Sigma Xi Symposium: Fairfield University, Fairfield, CT** **2016**
Martin AM, Porter S. Behavioral and Development Observations of *Myrmecophaga tridactyla* at Connecticut's Beardsley Zoo.
- °Sigma Xi Symposium: Fairfield University, Fairfield, CT** **2016**
Martin AM, McPhail K. Discovering the Function of Prey Attraction Stabilimenta in Orb Webs.

TEACHING EXPERIENCE

Graduate Teaching Assistant

August 2019-Present

- Introductory Biology Lab course (undergraduate), CURE course, Binghamton University
- Ecology Discussion course (undergraduate), Binghamton University
- Animal Behavior Lab course (undergraduate), CURE course, Binghamton University

Undergraduate Teaching Assistant

January 2018

- Participated in a research expedition as a teaching and field assistant to Dr. S. Ashley Byun in a tropical zoology course through Fairfield University

Undergraduate Teaching Assistant

September 2016-December 2016

- Evolutionary Biology Lab course (undergraduate), Fairfield University

LEADERSHIP & OUTREACH ACTIVITIES

Hacky Hours Co-Chair

September 2023-Present

- Co-chair and founding member of coding club formed and run by graduate students to improve statistics, coding, and modeling abilities of both graduate and undergraduate students. We are made up primarily of biology and psychology students and are entirely student-run.

Junior Biologists Outreach Program member

October 2021-Present

- E-board and founding member of outreach group that meets with middle school students from underprivileged backgrounds to design and complete simple biology experiments and expose students to the world of biology in academia.

DEI Graduate Student Subcommittee

November 2021-Present

- Graduate student member of the Department of Biological Sciences' DEI subcommittee at Binghamton University

Research Experience for Undergraduates (REU) Co-mentor

June 2022-August 2022

- Co-mentored two undergraduate researchers from underrepresented backgrounds to conduct novel research in the field of behavioral ecology abroad in Costa Rica.

STEM Outreach Committee

October 2018-July 2019

- Member of Smiths Medical's STEM Outreach Committee based in Southington, CT

SWE (Society of Women Engineers)

July 2018-July 2019

- Acted as co-chair of Smiths Medical's SWE chapter based in Southington, CT

Ignatian Residential College alumni mentor

Fall 2015-Spring 2017

- Mentor to sophomore students participating in the Ignatian Residential College program at Fairfield University

WiSTEM (Women in STEM)

Fall 2014-Spring 2015

- Mentor to first year undergraduate women in science, mathematics, and engineering majors at Fairfield University