

Emmy (Amelia) James

(803) 412-6099 ajames56@vols.utk.edu

emmyliajames.com

EDUCATION

2028 Ph.D Ecology and Evolutionary Biology (anticipated)

University of Tennessee, Knoxville, TN

2023 B.S. Ecology and Evolutionary Biology

Yale University, New Haven, CT

Relevant Coursework: Evolutionary Biology, Wetlands Ecology, Bird Behavior, General Ecology, Invertebrates, Herpetology, Global Climate Change, Ichthyology, Observing and Measuring Behavior, Evolutionary Architects, Evolutionary Genetics, Phylogenetic Biology, Animal Physiology, Structural Geology, Earth Surface Processes

PRESENTATIONS

¹Talk; ²Poster

2023 ¹James E, Muñoz MM. “Salamander Fight Club: Behavioral Plasticity in *Plethodon* Hybrids.” Ecology and Evolutionary Biology Undergraduate Research Symposium. Yale University, New Haven, CT.

2023 ²James E, Bhullar BA, Muñoz MM, Camarillo H. “Lunging as a Possible Compensatory Mechanism for Muscle-Powered Feeders within *Plethodontidae*.” The Society for Integrative and Comparative Biology 2023; Austin, TX. Abstract No: 1803.

HONORS AND AWARDS

2023 *J. Wallace and Katie Dean Graduate Fellowship*, UTK

2023 *Karel Liem Award Finalist*, SICB

2022 *Peabody Internship Recipient*, Yale University

2019-2022 *Yale Scholarship*, Yale University

2019 *International Baccalaureate Diploma*, Rock Hill, SC

2019 *National Merit Finalist*

2019 *Seal of Biliteracy, English and French*

RESEARCH EXPERIENCE

Muñoz Lab, Yale University

Senior Thesis Researcher, September 2022-Present

- Developed and implemented an original experimental design focusing on the effects of heat on animal behavior and physiology

- Wrote and submitted an IACUC protocol
- Recorded, reviewed, and coded over 14 hours of video footage

Undergraduate Research Assistant, August 2021-August 2022

- Provided research assistance to physiology projects in the lab (including water loss rate and metabolic rate experiments) by preparing salamanders for trials and monitoring the respirometer during runs
- Assumed husbandry responsibilities of terrestrial salamanders
- Attended weekly lab meetings and provided general feedback for upcoming presentations, interviews, and publications

Peabody Museum, Yale University

Peabody Intern, May 2022-July 2022

- Designed and executed an original research project jointly between the Peabody Collections, the Bhullar Lab of Vertebrate Paleontology, and the Muñoz Lab
- Used CT scans to segment pectoral girdles of lungless salamanders
- Developed proficiency in geometric morphometrics and phylogenetic analysis in R

SKILLS

- DSLR Photography
- RStudio for statistical, phylogenetic, geometric morphometric, and genetic analysis
- Graphic Design using Adobe Creative Suite (Illustrator, Photoshop, Lightroom)
- VGStudio for CT scan segmentation

EMPLOYMENT EXPERIENCE

Office of Gender and Campus Culture (OGCC), Yale University

Project Coordinator, August 2022-May 2023

- Led project teams of 10-20 undergraduates with the goal of designing, planning, and implementing campus-wide interventions
- Guided training sessions for undergraduates within the OGCC
- Served as liaison between the Title IX office and undergraduates, meeting with office staff weekly throughout the year to implement new program initiatives and manage the day-to-day operations of the OGCC

Communication and Consent Educator, January 2020-May 2023

- Served on a team of undergraduates to foster a more positive sexual and social campus climate
- Shared concrete skills for preventing and reducing sexual misconduct
- Facilitated Title IX training for Yale undergraduates in the form of interactive workshops on sexual consent and bystander intervention
- Designed and initiated interventions to analyze and improve the social climate of Yale's campus, namely within campus religious spaces, performance groups, residential colleges, and among off-campus students during the COVID-19 pandemic

Yale Education Tutoring Initiative, Yale University

Tutor, August 2021-May 2023

- Worked one-on-one with high school students weekly to practice writing and math skills, prepare for tests, and develop study habits
- Created lesson plans for tutoring sessions by outlining key concepts and developing practice problems for students

Campus Scenes, Rock Hill, SC

Technical Advisor, June 2023-August 2023

- Handled customer interactions at art festivals by communicating with up to 500 customers daily, presenting products to buyers, and managing transactions
- Maintained the digital presence for the company through the monitoring of social media and digital marketplace accounts (Etsy, Amazon Marketplace)