

ALYCIA JOHNSON (SHE/HER)

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University of Rochester
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EDUCATION

PhD student	2023-present
Department of Biology, University of Rochester, Rochester, NY	
Advisor: Dr. Floria Mora-Kepfer Uy	
BS	2019-2023
University of Southern Mississippi, Hattiesburg, MS	
Biological Sciences (Conservation Biology)	
<i>summa cum laude</i> , cumulative GPA= 3.9	

PUBLICATIONS

- Johnson, A. N.**, Cook, H., Reeve, H. K., & Uy, F. M. K., (in prep). *Grouping with non-kin: when potential joiners and residents should be mutually accepting*.
- Robinson, K. M., Mabry, Z. C., Schonekas, H., Robles López, K. Y., **Johnson, A. N.**, Cipriani, G., Nguyen, A., Ziemke, C. H., Baudier, K. M. (submitted). Is disturbance stridulation in the passalid beetle *Odontotaenius disjunctus* a form of social communication? *Insectes Sociaux*.
- Johnson, A.**, Ziemke, C. H., Yee, D. A., & Baudier, K. M. (2024). Notes on the natural history and climatic specializations of an endemic Caribbean paper wasp (Hymenoptera: Vespidae: *Mischocyttarus phthisicus*). *Caribbean Naturalist*. 96, 1-8.

HONORS AND AWARDS

IUSSI-NAS Student & Postdoc Travel Award (\$770)	2024
Donald Drapeau Prize for Excellence in a Research Presentation (\$200)	2023
USM Undergraduate Research Symposium: Third place poster award	
President's List	Fall 2019, Spring 2020, Fall 2022, Spring 2023
Dean's List	Fall 2020, Spring 2021, Fall 2021

RESEARCH EXPERIENCE

PhD Rotations , University of Rochester	2023-2024
Advisors: Dr. Floria Uy, Dr. Jennifer Brisson, Dr. John Albert Uy	
<ul style="list-style-type: none">• <i>Mischocyttarus mexicanus</i> relatedness within and across populations• Wing asymmetries and handedness in aphid lines• Whole genome scans for climatic selection in a widespread social wasp	
Undergraduate Research Assistant , University of Southern Mississippi	2021-2023
Advisor: Dr. Kaitlin Baudier	
<ul style="list-style-type: none">• Winter Thermal Tolerances of Mexican Paper Wasps (<i>Mischocyttarus mexicanus</i>)• Natural History of <i>Mischocyttarus phthisicus</i>, a common paper wasp of Puerto Rico	
Summer Undergrad Research Assistant , University of Southern Mississippi	2022
Advisor: Dr. Donald Yee	
<ul style="list-style-type: none">• Luquillo LTER Leaf Litter Arthropod Sampling• Thermal Ecology of Ants in the Luquillo Mountains, Puerto Rico	

CONFERENCE PRESENTATIONS

- Johnson, A.**, Ferro, J. M., Uy, J. A., & Uy, F. M. K. (7 August 2024). *Whole genome scans for climatic selection in a widespread social wasp*. International Union for the Study of Social Insects-NAS Breakout Meeting, Prescott, AZ.
- Serio, J., Robinson, K., **Johnson, A.**, & Baudier, K. (22 April 2023). *Flight willingness behavior within the soldier caste of *Tetragonisca angustula**. Undergraduate Symposium on Research and Creative Activity, Hattiesburg, MS.
- Robinson, K. M., **Johnson, A.**, Mora-Kepfer Uy, F., & Baudier, K. M. (4 July 2022). *Biogeography of thermal performance in the subtropical paper wasp *Mischocyttarus mexicanus cubicola**. International Union for the Study of Social Insects (IUSI), San Diego, CA.

CONFERENCE POSTERS

- Johnson, A.**, Ferro, J. M., Uy, J. A., & Uy, F. M. K. (24 August 2024). *Whole genome scans for climatic selection in a widespread social wasp*. Great Lakes Annual Meeting of Evolutionary Genomics 2024, Syracuse, NY.
- Robinson, K., Mabry, Z., Schonekas, H., Lopez, K. R., **Johnson, A.**, Cipriani, G., Nguyen, A., Ziemke, C., & Baudier, K. (7 November 2023). *Does disturbance stridulation in the passalid beetle *Odontotaenius disjunctus* function as a form of social communication?* Entomological Society of America, National Harbor, MD.
- Johnson, A.**, Ziemke, C., Yee, D., Baudier, K. (22 April 2023). *Notes on the natural history and climatic specializations of a Caribbean endemic paper wasp*. Undergraduate Symposium on Research and Creative Activity, Hattiesburg, MS.
- Guild, T., Robinson, K., **Johnson, A.**, & Baudier, K. (22 April 2023). *Exploring the adaptive function of overwintering behavior in the paper wasp *Mischocyttarus mexicanus**. Undergraduate Symposium on Research and Creative Activity, Hattiesburg, MS.

TEACHING & MENTORING EXPERIENCE

- Graduate Teaching Assistant**, University of Rochester 2024
BIOL267: Human Evolutionary Genetics
Lead journal article discussions, answered student questions, graded assignments
- Undergraduate Mentees**
Aditi Jasapara
Aidan Craner

SERVICE

- Highlands at Pittsford Retirement Community** August 2024
Guest speaker, Rochester
- Graduate Student Recruitment Committee** October 2023- present
Member, University of Rochester
- Mississippi Inland & Coastal Cleanup Programs** February 2021- March 2021
Volunteer, Mississippi
- Hattiesburg Zoo Animal Care Program** September 2019- December 2019
Volunteer Animal Care Assistant, Mississippi

MEMBERSHIP & PROFESSIONAL ORGANIZATIONS

International Union for the Study of Social Insects	2024-present
Society for the Study of Evolution	2024-present
Beta Beta Beta , University of Southern Mississippi	2020-2023

SKILLS

Computer: RStudio, Python, Microsoft Office, basic GIS, Google Docs, Box, data analysis

Laboratory: use of heat and cold dry baths, data entry & management, insect pinning & preservation, use of microbalance, DNA extractions, morphological measurements

Field: data collection, GPS, iButton setup, sweep netting, insect pitfall traps, aspirator collecting, hiking, Winkler extraction, hand lens

Personal: collaboration, problem-solving, organization, task management, time management

REFERENCES

Dr. Floria Mora-Kepfer Uy

Assistant Professor

Department of Biology

University of Rochester

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Dr. Kaitlin Baudier

Assistant Professor

School of Biological, Environmental & Earth Sciences

University of Southern Mississippi

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