

Curriculum Vitae
Laura N. Unfried

Contact Information

University of Kentucky
Department of Entomology
S-225 Ag Science Center North
Lexington, KY

Email: laura.unfried@uky.edu

Education

University of Kentucky, Lexington, KY
Doctor of Philosophy, Entomology, *In Progress*
Advisor: Nicholas Teets

2019-current

University of Southern Indiana, Evansville, IN
Bachelor of Science, Biology

2014-2018

Presentations

Oral Presentations

2019. **Unfried, Laura N.** "Climate Change and Reproduction: A Study of Cavity Nesting Birds in Southern Indiana." Climate Change Symposium. Evansville, IN. (Invited presentation at local symposium.)

Poster Presentations

2019. **Unfried, Laura N.**; Strange, Rex M. "Characterization and Dynamics of the Non-LTR Retrotransposon R2 in the Least Brook Lamprey (*Lampetra aepyptera*)." Indiana Academy of Science. Indianapolis, Indiana.

2018. **Unfried, Laura N.**; Champagne, Alex; and Bandoli, James. "Advances in the timing of reproduction in two species of cavity nesting birds in response to climate change." Society of Integrative and Comparative Biology. San Francisco, CA

2016. **Unfried, Laura N.**; Hamilton, Andrew; and McCloud, Eric. "A comparison of wing toughness in a Batesian mimicry complex." International Conference of Entomology. Orlando, FL.

Research Experience

University of Southern Indiana | Undergraduate Researcher

2019

Advisor: Rex Strange

Characterizing the R2 retrotransposon in the least brook lamprey

- Amplified target rDNA sequence using PCR, verified PCR results by running gels
- Examined truncation variation within and between lamprey populations

University of Southern Indiana | Undergraduate Researcher

2015-2019

Advisor: Eric McCloud

Wing stiffness and toughness in swallowtail butterflies

- Collected specimens of five species of swallowtail from USI campus
- Tested the wing flexibility and the wings' ability to withstand penetration

University of Southern Indiana | Undergraduate Researcher **2017-2019**

Advisor: Alex Champagne

Breeding in two species of cavity nesting birds in relation to climate change

- Collected nesting data from bird boxes located on USI campus
- Analyzed the effect of temperature changes on breeding timing

Museum specimen preparation

- Collected, prepared, and properly stored avian study skins for the museum collection at the University of Southern Indiana

Chapman University (The Loon Project) | Research Assistant **2018**

Principal Investigator: Walter Piper

- Monitored loon pairs on >125 lakes in northern Wisconsin
- Caught and banded adults and chicks
- Input data daily

Grants, Scholarships and Awards

Graduate Research Assistantship, University of Kentucky (\$21,000) **2019-current**

Endeavor Presentation Award, University of Southern Indiana (\$1,000) **2016, 2018**

USI Biology Departmental Scholarship, University of Southern Indiana (\$3,500) **2014-2018**

Work Experience

University of Southern Indiana Biology Dept. | Student Worker

August 2017-Spring 2019

- Set up/took down zoology, anatomy and physiology, and botany labs
- Prepared solutions and laboratory materials
- Maintained snakes and crayfish in the university vivarium

Organizations

Indiana Academy of Science **2019**

Society of Integrative and Comparative Biology **2017-2018**

Entomological Society of America **2016**

Volunteer/Outreach

2019

- STEM Fest 2019: Helped run an interactive booth that allowed children and their families to get hands-on experience with using microscopes and learn about the arthropods that are commonly used in the research labs at the University of Southern Indiana. (Indianapolis, IN)