

Bryson Loflin
bloflin@unc.edu | 704-314-5231

EDUCATION

B.S., Department of Biology, UNC Chapel Hill, Chapel Hill, NC

2021- 2025

RESEARCH INTERESTS

Combining field and laboratory work while using animal systems, with a focus on animal behavior, to answer questions in ecology and evolution.

RESEARCH EXPERIENCE

Undergraduate Research

Dr. Karin Pfennig, Professor, Department of Biology, UNC Chapel Hill

Projects:

- Evaluated presence and distribution of a behavioral syndrome Fall 2022 - Present
- Genotyped individuals to evaluate species co occurrence Spring 2021
- Evaluated adaptive hybridization through a literature review Fall 2020

Undergraduate Research

Dr. Michael Sheehan, Associate Professor, Department of Neurobiology and Behavior, Cornell

Project:

- Quantify the behavioral impacts of mouse rewilding Summer 2024

TEACHING EXPERIENCE

Teaching Assistant; Seafood Forensics

Fall 2023 - Present

Department of Biology, UNC Chapel Hill

Teaching Assistant; Investigating the Biodiversity Crisis

Spring 2024

Department of Biology, UNC Chapel Hill

WORK EXPERIENCE

Carolina Gaming Arena Co-Manager

Fall 2023 – Present

Carolina Housing, UNC Chapel Hill

Residential Computing Consultant

Fall 2021 – Spring 2022

ResNET, Carolina Housing, UNC Chapel Hill

PUBLICATIONS

Savannah J. Ryburn, Tammy Yu, Kelly Jia-Wei Ong, Meggan A. Alston, Ella Howie, Peyton LeRoy, Sarah Elizabeth Giang, William Ball, Jewel Benton, Robert Calhoun, Isabella Favreau, Ana Gutierrez, Kayla Hallac, Dakota Hanson, Teagan Hibbard, Bryson Loflin, Joshua Lopez, Gracie Mock, Kailey Myers, ... John Francis Bruno. (2023). Sale of critically endangered sharks in the United States. *bioRxiv*, 2023.07.30.551124.
<https://doi.org/10.1101/2023.07.30.551124>

(In Prep) S Ryan, P Kelly, B Loflin, K Pfennig. Can hybrid fitness increase evolutionarily? An experimental test.

(In Prep) MN Zippel, B Loflin, D Chang Kuo, MJ Sheehan. Laboratory mice displayed reduced anxiety behavior and resistance to one-trial problem under more natural conditions.

TALKS AND PRESENTATIONS

UNC Research and Discovery Fair

Fall 2024

ABS Co-Author: Behavior's role in the evolution of species ranges

Summer 2024

Research Symposium: *A behavioral syndrome in *Spea bombifrons**

Spring 2022

Research Symposium: *The sale of critically endangered sharks in the United States*

Spring 2022

HARD SKILLS

- Data analysis in JMP and R
- Open field tests on spadefoot toads
- Mate choice tests on spadefoot toads
- Plus maze tests on mice
- Submandibular blood collection from mice
- RFID chipping of mice
- Capture and release of rewilded mice
- Capture of spadefoot toads while working out of field station
- Transport of animals between lab and field sites
- Novel protocol development for behavioral assays
- DNA extractions
- Polymerase chain reactions
- Preparation of samples for Sanger Sequencing
- Technology troubleshooting

SOFT SKILLS

- Communicating data
- Team management
- Time management
- Mentee training
- Academic writing

HONORS AND AWARDS

Carolina Housing Hall of Fame

Spring 2024

- Awarded to carolina housing staff for exceptional service

RCC of the Semester

Spring 2022

- Awarded to one of the 40+ staff team for contributions to ResNET

North Carolina Association of Student Councils Hall of Fame

Summer 2018

- Awarded to individuals for distinguished service towards their student council

REFERENCES

Karin Pfennig, Professor

Department of Biology

University of North Carolina at Chapel Hill

kpfennig@unc.edu | (919) 843-5590

Michael Sheehan, Associate Professor

Department of Neurobiology and Behavior

Cornell University

msheehan@cornell.edu

John Bruno, Chi Omega Distinguished Professor

Department of Biology

University of North Carolina at Chapel Hill

jbruno@unc.edu