

FAITH GILLIAN FRINGS

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EDUCATION

In progress

University of New Hampshire, Durham – Ph.D. Integrative Biology

Advanced to Candidacy January 2025

Doctoral Advisor: Dr. Melissa Aikens | *Dissertation:* Statistical programming persistence in STEM: Investigating student motivation and engagement in diverse biology courses

2022

University of South Florida, Tampa – M.S. Biology

Thesis Advisor: Dr. Luanna Prevost | *Thesis:* Mixed method analysis of undergraduate student interpretation of different phylogenetic tree styles

2020

University of South Florida, Tampa – B.S. Marine Biology

SCHOLARLY ACHIEVEMENTS (while at UNH)

Spring 2025	UNH Graduate Student Excellence in Teaching Award Recipient <i>Department of Biological Sciences</i>
Spring 2025	Graduate Student Research Grant Recipient <i>School of Marine Science and Ocean Engineering</i>
Summer 2024	Bill Woods Poster Award <i>Society for the Advancement of Biology Education Research (SABER) Annual Meeting</i>
Summer 2025	UNH Summer Teaching Assistant Fellowship
Summer 2024, 2025	UNH DBS Travel Award
Spring 2024	UNH Graduate School Travel Grant

RESEARCH EXPERIENCE

Summers 2023 - 2025	Graduate Research Assistant – University of New Hampshire, Durham. Research Lab of Dr. Melissa Aikens. <ul style="list-style-type: none"> • Conducted and co-analyzed 15 qualitative interviews • Helped qualitatively analyze student open-response data
Spring 2024	Graduate Research Assistant – University of New Hampshire, Durham. Research Lab of Dr. Easton White. <ul style="list-style-type: none"> • Created data science teaching materials • Taught R and statistics at informal workshops for grad students and faculty
Summer 2022	Graduate Research Assistant – University of South Florida, Tampa. Research Lab of Dr. Luanna Prevost. <ul style="list-style-type: none"> • Created and organized online resources for k-12 biology teachers

TEACHING EXPERIENCE (while at UNH)

Fall 2022 - present	Graduate Teaching Assistantships – University of New Hampshire, Durham. <i>Data Science for Life Sciences – BIOL 706/806: Fall 2023-2025</i> <i>Applied Biostatistics – BIOL 528: Spring 2023, 2024</i> <i>Introductory Biology Laboratory – BIOL 412: Fall 2022</i>
January 2025	Teaching Assistant – Tohoku University, Japan. Graduate-level data science workshop for graduate students

PUBLICATIONS

Esparza D., Amin N.E., **Frings F.G.**, Halmo S.M, Hazlett Z.S., Heim A.B., Uminski C., Von der Mehden B., Wright A.M., & Yang M. (accepted). *For trainees, by trainees: Supporting Discipline-Based Education Research Scholars-in-Training through career transitions with inclusive, accessible professional development*. Lexington Books.

Frings, F.G., A. Levine, L. Madrigal, L. Plank, C. Richards (2021). Celebrating the Importance of Evolution. *Frontiers for Young Minds*. <https://www.frontiersin.org/news/2021/02/12/children-in-science-celebrating-the-importance-of-evolution>

SELECTED PRESENTATIONS (while at UNH) (* denotes presenting author(s))

Frings F. G.*, Aikens M. L. (2025) Exploring student motivation in programming: Insights from a hybrid field-based data science course. Society for the Advancement of Biology Education Research (SABER) annual meeting. (POSTER)

Frings F. G.* (2025) Characterizing biology students' mindsets and task values towards programming. UNH Graduate Research Conference annual meeting. (TALK)

Frings F. G.*, Aikens M. L. (2024) Community college transfer students' perceptions of supports and barriers to persistence in their major at a four-year institution. Society for the Advancement of Biology Education Research (SABER) annual meeting. (POSTER)

Frings F. G.*, Weigel E. G., Aikens M. L. (2024) Characterizing biology students' mindsets and task values towards programming. Society for the Advancement of Biology Education Research (SABER) annual meeting. (POSTER)

Frings F. G.*, Prevost L. B. (2022). Mixed method analysis of undergraduate student interpretation of different phylogenetic tree styles. UNH DBS Graduate Student Seminar Series. Annual. (TALK)

OTHER INVOLVEMENT

Aug 2023 – present	DBER-SiT Leadership – Subcommittee of SABER providing professional development and funding for grad students/post docs. <i>Chair (Fall 2025-present)</i> <i>Funding Co-Chair (Fall 2023-Summer 2025)</i>
Aug 2022 – May 2023	DBS Graduate Student Organization Committee Co-Founder

