

# FAITH GILLIAN FRINGS

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## EDUCATION

<i>In progress</i>	<b>University of New Hampshire, Durham – Ph.D. Integrative Biology</b> <i>Advanced to Candidacy January 2025</i> <i>Doctoral Advisor:</i> Dr. Melissa Aikens   <i>Dissertation:</i> Statistical programming persistence in STEM: Investigating student motivation and engagement in diverse biology courses
2022	<b>University of South Florida, Tampa – M.S. Biology</b> <i>Thesis Advisor:</i> Dr. Luanna Prevost   <i>Thesis:</i> Mixed method analysis of undergraduate student interpretation of different phylogenetic tree styles
2020	<b>University of South Florida, Tampa – B.S. Marine Biology</b>

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

## **TEACHING EXPERIENCE (while at UNH)**

Fall 2022 - present	<b>Graduate Teaching Assistantships</b> – 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	<b>Teaching Assistant</b> – 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	<b>DBER-SiT Leadership</b> – 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	<b>DBS Graduate Student Organization Committee Co-Founder</b>

