

Jingping Graber

512-949-7725 | jinggraber@utexas.edu | jinggraber.com | Austin, TX

EDUCATION

University of Texas at Austin (UT)

Bachelor of Science in Honors Biology + Bachelor of Arts in Plan II Honors | GPA 4.0/4.0

Dean's Scholars Honors Program; Departmental Honors

Austin, TX

May 2027

Boston University

Study abroad coursework in oceanography

Fiji

July 2024 – August 2024

PUBLICATIONS

Peer-reviewed Research Papers

Inman, C., Ramsaroop, M., Koley, J., Ávila, L., Burbano, D., Pozo, M., **Graber, J.**, Yeager, J. Sexual coercion dominates mating behaviour in the South American livebearing fish genus *Pseudopoecilia* (Cyprinodontiformes: Poeciliidae). *Animal Behaviour*, <https://doi.org/10.1016/j.anbehav.2026.123560>

Manuscripts in Revision & Under Review

1. Silva, T.L., Grove, L.J.W., Thompson, A.R., Muller-Karger, F., Auster, P.J., Asch, R.G., Muñoz, R.C., Cannizzo, Z.J., Tolken, S., **Graber, J.**, Santora, J., Runge, J., Brown, J., Fiechter, J., Jacobson, K., Gittings, S.R. Forage species & changing food webs in national marine sanctuaries, *Conservation Science & Practice (In Revision)*
2. Ramsaroop, M., **Graber, J.**, Lihou, A., Gong, L., Hartzell, R., Lin, Y., Cummings, M. Sex-specific cognitive effects of environmentally relevant microplastic exposure in the western mosquitofish, *Scientific Reports (Under Review)*

Manuscripts in Preparation

1. **Graber, J.**, Bolinger, B., Grover, S., Ramsaroop, M., Cummings, M. Retention & localization of polyethylene microspheres in juvenile & adult western mosquitofish
2. Ramsaroop, M., **Graber, J.**, Lihou, A., Gong, L., Hartzell, R., Lin, Y., Cummings, M. Adaptive behavioral responses to environmentally relevant microplastics in the western mosquitofish

PATENTS

Graber, J. *Fiber-Winding Device for Preparing Fibers for Paraffin Microtomy*. U.S. Patent Application (Pending), Filed 2026

RESEARCH EXPERIENCE

The Cummings Lab | University of Texas at Austin | PI — Dr. Molly Cummings

May 2024 – Present

Undergraduate Researcher (Honors Thesis Project)

- Designed & conducted Honors Thesis on microplastic retention in mosquitofish; finalizing 1st-author manuscript
- Undergraduate assistants/mentees: Brooke Bolinger & Sarthak Grover

Research Assistant

- Designed behavioral assay protocols for microplastic exposure study; co-authored two manuscripts
- Redesigned microfiber production device to increase efficiency; wrote & submitted patent application

NOAA | Stellwagen Bank National Marine Sanctuary | Lead Author — Dr. Tammy Silva

July 2025 – Present

Scientific Collaborator

- Created figures depicting marine food webs in marine sanctuaries; co-authored NOAA manuscript (in revision)

The Bioprospecting 2.0 Lab | University of Texas at Austin | PI — Dr. Kasia Dinkeloo

September 2024 –

Present

Undergraduate Researcher/Summer Fellow

- Co-designed & conducted microfiber exposure study on GFP-expressing *A. thaliana*; presented poster
- Sequencing microbial biofilms isolated from microplastics to characterize plastic-degrading microbes

***Pseudopoecilia* Mating Behavior Study | Lead Author — Dr. Callen Inman**

July 2025 – April 2026

- Described mating behaviors of *P. fria* & edited study on agonistic courtships; co-authored published study

The Phelps Lab (REU) | Washington State University | PI — Dr. Michael Phelps

May 2025 – December 2025

REU Intern

- Designed & conducted study on hypoxia exposure & cardiac physiology in Ca-sensing receptor knockout trout
- Examined the effects of Ca-sensing receptor knockout on transcription & bone mineral density; presented poster

Coral & Fish Survey Study | Boston University | Research Educator — Dr. Keisha Bahr

July – August 2024

Undergraduate Researcher

- Designed & co-conducted study surveying corals across Fijian Marine Protected Areas; presented poster

PRESENTATIONS

Oral Presentations

Grabner, J. *Coral Cover & Fish Abundance Across Fijian Marine Protected Areas (MPAs)*. University of Texas Fall Undergraduate Research Symposium, Austin, TX, October 2024.

Grabner, J., Bolinger, B., Grover, S., Ramsaroop, M., Cummings, M. *Retention & localization of polyethylene microspheres in juvenile & adult western mosquitofish*. Rice University Gulf Coast Undergraduate Research Symposium (GCURS), Houston, TX, October 2026 (Accepted)

Poster Presentations

Digital copies of posters [here](#)

Grabner, J., Bolinger, B., Grover, S., Ramsaroop, M., Cummings, M. *Retention & localization of polyethylene microspheres in juvenile & adult western mosquitofish*.

- (SICB) Society for Integrative & Comparative Biology Annual Meeting (Accepted) January 2027
- University of Texas at Austin | Plan II Senior Thesis Symposium April 2026
- University of Texas at Austin | Undergraduate Research Forum April 2026
- Texas Plastic Pollution Symposium March 2026

Grabner, J., Gaberria, C., Bordas, A., Holloway, T., Cox, G., Phelps, M. *Effects of CaSR Knockout on Cardiac Function & Bone Mineral Density in Rainbow Trout (*Oncorhynchus mykiss*)*.

- Washington State University | Summer Undergraduate Research Symposium July 2025

Grabner, J., Lihou, A., Hartzell, R., Ramsaroop, M., Cummings, M. *Retention & localization of polyethylene microspheres in juvenile & adult western mosquitofish*.

- University of Texas at Austin | Undergraduate Research Forum April 2025
- Texas Plastic Pollution Symposium | **Second Place Poster Award** April 2025

Grabner, J., Bahr, K. *Coral Cover & Fish Abundance Across Fijian Marine Protected Areas (MPAs)*.

- University of Texas at Austin | Undergraduate Research Forum April 2025

Nonhoff, K., **Grabner, J., Dinkeloo, K.** *Fluorescent Detection of Nile Red-stained Microplastic Uptake in Roots of *A. thaliana**.

- University of Texas at Austin | Undergraduate Research Forum April 2025

AWARDS & HONORS

Fellowships & Grants

GCURS Travel Grant \$400 <i>Rice University</i>	October 2026
Plan II Honors Thesis Grant \$1,000 <i>Plan II Honors Program</i>	February 2026
Undergraduate Research Fellowship \$1,000 <i>University of Texas at Austin</i>	January 2026
Alumni Grant \$1,000 <i>Bow Seat Ocean Awareness Programs</i>	January 2026
Research Experiences for Undergraduates (REU) \$7,000 <i>National Science Foundation</i>	June 2025
True Blue Fellowship \$2,500 <i>Bow Seat Ocean Awareness Programs</i>	January 2025
FRI Fellowship \$2,000 <i>Freshman Research Initiative</i>	May 2024
Plan II Honors Travel Grant \$1,000 <i>Plan II Honors Program</i>	May 2024
Experiential Learning Fellowship \$2,000 <i>University of Texas at Austin</i>	April 2024

Awards & Distinctions

Distinguished College Scholar <i>University of Texas at Austin</i>	April 2026
2nd Place: Research Poster Competition <i>Texas Plastic Pollution Symposium</i>	April 2025
Special Judge's Award for Technical Expertise: Art Contest <i>National Oceanic & Atmospheric Administration</i>	June 2023
Honorable Mention (2): Photography Contest <i>National Oceanic & Atmospheric Administration</i>	June 2023

Finalist & Nominee Recognition

Nominee for the Udall Undergraduate Scholarship <i>University of Texas at Austin, Udall Foundation</i>	February 2026
Finalist, Beckman Scholars Program <i>University of Texas at Austin</i>	March 2025
Finalist, Temple Scholars Program <i>University of Texas at Austin</i>	September 2024
Finalist, University of Texas Dedman Distinguished Scholars <i>University of Texas at Austin</i>	April 2024

SCIENTIFIC COMMUNICATION

Fellowship Recipient/Intern/Council Member <i>Bow Seat Ocean Awareness Programs</i>	December 2023 – Present
- Mentored two fellowship grantees & managed media at the largest environmental youth program for the arts	
Illustrator/Researcher	November 2025
- Invented novel, microplastic-based paint & the artwork: The Threat Is Small: A Painting Made of Microplastics	
NOAA Intern <i>National Oceanic & Atmospheric Administration</i>	May – September 2024
- Produced official scientific illustrations with NOAA ecologists & archaeologists for public outreach	

Books

Graber, J. [Can You Sea Me?: A Children's Guide to Camouflage in the Ocean](#). Author & illustrator. The Fedd Agency, 2023.

Media coverage: **NBC affiliate (KXAN Austin). Circulation: 900+ copies.**

- Sole Proprietor/Author-Illustrator <i>Jing Books</i>	February 2023 – Present
- Deliver scientific & literary presentations for children as an invited & visiting author; venues include:	
- Boone Elementary School	May 2026
- Good Shepherd Episcopal School	January 2026
- Helping Hand Home for Children	August 2024
- The Austin Public Library	April 2024
- Redeemer Presbyterian	June 2023
- National Charity League	May 2023
- Regents School of Austin	April 2023