

# Miah Lynne Manning *(she/her)*

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## Education

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**Ph.D. in Biological Oceanography**, MIT-WHOI Joint Program, *June 2023 - present*  
Cambridge / Woods Hole, MA. Advisor: Dr. Harriet Alexander

**B.A. in Biological Sciences**, Rutgers University, New Brunswick, NJ *2023*  
School of Environmental and Biological Sciences Honors Program, Minor in Marine Science,  
overall GPA: 4.0, *Summa cum laude*

## Research Experience

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**Undergraduate Intern**, Rutgers Center for Ocean Observing Leadership (RUCOOL) *2021-2023*  
Rutgers University, New Brunswick, NJ. Advisor: Dr. Oscar Schofield

**Laboratory Assistant**, Waksman Institute of Microbiology, Rutgers University, *2022-2023*  
New Brunswick, NJ

**NSF REU Internship**, Mote Marine Laboratory & Aquarium, *June 2022 – August 2022*  
Phytoplankton Ecology Program, Sarasota, FL. Advisor: Dr. Vince Lovko

## Selected Presentations

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Manning, M.L., V. Lovko, S. Chakraborty. Characterizing the photophysiology of *K. brevis* following exposure to bloom mitigation compounds. Association for the Sciences of Limnology and Oceanography (ASLO), Palma de Mallorca, Spain, June 2023.

Manning, M.L., O. Schofield. Characterizing the Variability of Phytoplankton on the West Antarctic Peninsula. George H. Cook Scholar Symposium, New Brunswick, NJ, May 2023.

Manning, M.L., O. Schofield. Variability of Phytoplankton on the Rapidly Melting West Antarctic Peninsula. Rutgers Climate Symposium, New Brunswick, NJ, November 2022.

Manning, M.L., V. Lovko, S. Chakraborty. Characterizing the photophysiology of *K. brevis* following exposure to bloom mitigation compounds. 11th National Harmful Algal Bloom (HAB) Symposium, Albany, NY, October 2022. *Honorable Mention “Best Poster Presentation by a Student”*.

## Selected Abstracts

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Fisher, B., Seidel, M., Waite, N., Manning, M., Cappola, M., Dittmar, T., Schofield, O., and Henley, S.F. The role of phytoplankton communities in determining the molecular composition of dissolved organic matter along the west Antarctic Peninsula. Ocean Sciences Meeting (OSM), New Orleans, LA, February 2024.

## Research Cruises

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**Joint Program Student Cruise; AR80, R/V Neil Armstrong** *17-19 November 2023*  
Co-Chief Scientists: Kate Lane, Lina Taenzer, Lukas Taenzer

**Palmer Long Term Ecological Research (Pal-LTER) Cruise; LMG 23-01, R/V Laurance M. Gould**, Chief Scientist: Dr. Carlos Moffat *December 2022 – February 2023*

## Awards

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**Matthew Leydt Society** – Rutgers University, inductee *May 2023*  
**Phi Beta Kappa** – Rutgers University, inductee *April 2023*  
**Cook/CAES Scholarship** – Rutgers University *September 2022*  
**Alampi Phillip Scholarship** – Rutgers University *September 2022*  
**George H. Cook Scholars Program** – Rutgers University *December 2021*  
**Hamo Hachnasarian Scholarship** – Rutgers University *September 2021*

## Outreach

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**Letters to a Pre-Scientist** - Mentor *September 2023 – present*  
**Zephyr Marine** - Volunteer *September 2023 – present*  
**Geoscience Education Mentorship (GEM)** - Mentor *September 2023 – present*  
**Joint Program Applicant Support & Knowledgebase (JP ASK)** *September 2023 – present*  
**Lower Raritan Watershed Partnership (LRWP)** – Volunteer *Fall 2022 – May 2023*

## Skills

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**Programming:** R, Python, shell script

**Laboratory:** Imaging flow cytometry, High-Performance Liquid Chromatography (HPLC) and chlorophyll filtering, Integrating Cavity Absorption Meter (QFT-ICAM), Satlantic Fluorescence Induction and Relaxation (FIRE), Laser In-situ Scattering and Transmissometer (LISST) deployment, Pulse-Amplitude-Modulation (PAM) fluorometry, manual microscopy, and phytoplankton culturing

**Languages:** English, Spanish (literacy)