

# Miah Lynne Manning *(she/her)*

Watson 115 | 266 Woods Hole Rd. MS #51, Woods Hole, MA 02543

[miah.m@mit.edu](mailto:miah.m@mit.edu)

## 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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**Microbial Diversity Advanced Research Training Course** *July – Aug. 2024*  
Marine Biological Laboratory (MBL) – University of Chicago, Woods Hole, MA., Directors: Dr.  
Scott Dawson and Dr. John Spear

**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 – Aug. 2022*  
Phytoplankton Ecology Program, Sarasota, FL. Advisor: Dr. Vince Lovko

## Selected Presentations & Posters

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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.

Taenzer, Lina, Taenzer, Lukas, Lane, K., Dever, M., Brooks, F., Catapano, T., Gregory, M., Hickman, K.J., Hummel, N., Knight, J., Kramer, K., Kuhl, S., Manning, M., Messenger, S., Motz, A., Mule, E., Nagao, H., Stemmer, F., Wilcox, G., and Shank, T.M. Updated Snapshot of the Physical and Biogeochemical Conditions Across the Rapidly Warming US Northeast Continental Shelf and Shelfbreak. 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 Nov. 2023*  
Co-Chief Scientists: Kate Lane, Lina Taenzer, Lukas Taenzer

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

## Awards

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<b>Patricia A. Case Endowed Scholarship</b> – Marine Biological Laboratory	<i>July 2024</i>
<b>Matthew Leydt Society</b> – Rutgers University, inductee	<i>May 2023</i>
<b>Phi Beta Kappa</b> – Rutgers University, inductee	<i>April 2023</i>
<b>Cook/CAES Scholarship</b> – Rutgers University	<i>Sept. 2022</i>
<b>Alampi Phillip Scholarship</b> – Rutgers University	<i>Sept. 2022</i>
<b>George H. Cook Scholars Program</b> – Rutgers University	<i>Dec. 2021</i>
<b>Hamo Hachnasarian Scholarship</b> – Rutgers University	<i>Sept. 2021</i>

## Outreach

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<b>Woods Hole Science Stroll</b> - Volunteer	<i>Aug. 2024</i>
<b>Zephyr Marine</b> - Volunteer	<i>Sept. 2023 – present</i>
<b>Geoscience Education Mentorship (GEM)</b> - Mentor	<i>Sept. 2023 – present</i>
<b>Joint Program Applicant Support &amp; Knowledgebase</b> – Board Member and Mentor	<i>Sept. 2023 – present</i>
<b>Letters to a Pre-Scientist</b> - Mentor	<i>Sept. 2023 – May 2024</i>
<b>Lower Raritan Watershed Partnership (LRWP)</b> – Volunteer	<i>Fall 2022 – May 2023</i>

## **Skills**

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**Programming:** R, shell, Python

**Laboratory:** Imaging flow cytometry, Integrating Cavity Absorption Meter (QFT-ICAM), Satlantic Fluorescence Induction and Relaxation (FIRE), Pulse-Amplitude-Modulation (PAM) fluorometry, fluorescence microscopy, bacterial and algal isolation and culturing

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