

# Rachel Cohn

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Research Associate I  
University of Miami Cooperative Institute for Marine and Atmospheric Studies  
NOAA Atlantic Oceanographic and Meteorological Laboratory  
4301 Rickenbacker Cswy. Miami, FL 33149

## EDUCATION

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**UNIVERSITY OF CALIFORNIA, LOS ANGELES**      **June 2021**  
B.S., Atmospheric and Oceanic Sciences  
Minor, Asian Languages

## RELEVANT EXPERIENCE

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### **UNIVERSITY OF MIAMI COOPERATIVE INSTITUTE FOR MARINE AND ATMOSPHERIC STUDIES (CIMAS)**

Stationed at NOAA Atlantic Oceanographic and Metrological Laboratory—Miami, Florida

#### **Research Associate I**      *October 2021-Present*

- Analysis of dissolved oxygen in seawater via amperometric titrator
- Measurement of acetone-extracted chlorophyll-a and pheophytin via fluorometer
- Maintenance and troubleshooting of YSI and In-Situ brand water quality sondes
- Juvenile sportfish and submerged aquatic vegetation surveys in Florida Bay
- Water quality monitoring in Biscayne Bay, Florida Bay, the Florida Keys, and West Florida Shelf (South Florida Ecosystem Restoration cruises; Biscayne Bay water quality monitoring and modeling projects)
- CTD deployment and console operation
- CTD sampling of nutrients, chlorophyll-a, oxygen, dissolved inorganic carbon, eDNA/RNA, HPLC, POP, POC/N
- Filtering and preservation of eDNA, RNA, HPLC, POP, POC/N, nutrient, chlorophyll-a, lugols, and flow cytometry samples
- Data entry and management

## OCEANOGRAPHIC CRUISE EXPERIENCE

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### **TOTAL SEA DAYS: 99**

<b>NOAA Ship Ronald H. Brown</b> A16N GO-SHIP/CO2 Repeat Hydrography Cruise	Rota, Spain-Reykjavik, Iceland	<b>April-May 2023</b> 27 days
<b>R/V F. G. Walton Smith</b> South Florida Ecosystem Restoration Cruise	Atlantic/Gulf	<b>Bimonthly, 2021-2023</b> 56 days
<b>R/V W.T. Hogarth</b> South Florida Ecosystem Restoration Cruise	Atlantic/Gulf	<b>May 2023</b> 7 days
<b>R/V Weatherbird II</b> South Florida Ecosystem Restoration Cruise	Atlantic/Gulf	<b>August 2022</b> 9 days

## CERTIFICATIONS

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- Adult and Pediatric First Aid/CPR/AED—*American Red Cross*, Nov. 2022
- Oxygen First Aid for SCUBA Diving Injuries (EO2)—*Diver's Alert Network*, Dec. 2022

- Lift Truck Operator—*Forklift Training Institute of America*, Mar. 2022
- Boating Skills & Seamanship—*U.S. Coast Guard Auxiliary*, Feb. 2022
- Open Water SCUBA Diver—*SCUBA Diving International*, Aug. 2023

## SKILLS

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- Instruments: Amperometric Auto-Titrator, Turner TD-700 Fluorometer, YSI EXO, In-Situ AquaTROLL, Continuous Particle Imaging and Classification System (CPICS), Cytex Northern Lights Flow Cytometer, Imaging FlowCytobot (IFCB)
- Software: Microsoft Office Suite, Python, MATLAB, Google Workspace, Seabird Software, Kor Software, VuSitu App
- Fieldwork: small boat operations, dive operations topside support, CTD deployment and operation, CTD rosette sampling, plankton net tows, submerged aquatic vegetation (SAV) surveys, Florida Bay sportfish identification
- Languages: Japanese (upper intermediate-advanced proficiency)