

Paid summer research opportunity (marine, environmental, and analytical chemistry) at UConn Avery Point

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Research opportunity:

[Professor Cara Manning's Gas Biogeochemistry Lab](#) at the University of Connecticut Department of Marine Sciences seeks applicants for a full-time paid research position for summer 2022 (beginning in May or June, based on the applicant's availability). The position is open to undergraduate students in the middle of their degree, as well as students who are graduating this semester. Applications will be accepted and reviewed on a rolling basis until the position is filled.

The successful applicant will play a key role in establishing a new laboratory focused on using measurements of dissolved gases (e.g., O₂, N₂, greenhouse gases, and noble gases) and other biogeochemical tracers to conduct environmental chemistry research.

Scope of work:

Applicants should have a desire to develop skills in environmental chemistry and analytical chemistry, an attention to detail, and an ability to work independently.

The successful applicant will be responsible for:

- testing laboratory and field equipment including an oxygen titration system, gas chromatograph, and field-deployable sensors for dissolved gases, temperature and salinity
- purchasing and receiving laboratory and field equipment, creating and maintaining inventories, and establishing organizational systems in the lab
- participating in field work near Avery Point to deploy and recover underwater sensors

They will have the opportunity to develop and/or enhance skills in:

- analytical biogeochemistry and method development related to the measurement of dissolved gases
- development and use of software for instrument control, data acquisition, and data visualization
- coastal fieldwork

The expected wage is \$16/hr. A higher wage may be offered to candidates with relevant prior experience.

Pending satisfactory performance, there will be an opportunity to continue part time work during the academic year 2022–2023.

Application procedure:

Applicants should contact Professor Manning by email (cara.manning@uconn.edu) with the subject line "Prospective summer researcher" and include:

- a cover letter that describes their motivation for applying for the position
- a resume or CV outlining their academic and work experience and including contact information for at least two references
- unofficial transcripts

Professor Manning will respond to applicants who may be a good fit to set up a meeting.

Equity, diversity and inclusion:

We are committed to fostering an equitable, diverse, and inclusive research environment. We encourage applications from members of groups that have been underrepresented in and/or historically excluded from geosciences research. All members of Professor Manning's group are expected to spend time educating themselves on best practices in building equitable, diverse, and inclusive research groups, departments, and classrooms, and playing an active role in implementing these practices.