Opportunity Title: NOAA Research Experience Opportunity in Environmental Chemistry
Opportunity Reference Code: NOAA-NCCOS-2023-02

Organization National Oceanic and Atmospheric Administration (NOAA)

Reference Code NOAA-NCCOS-2023-02

How to Apply ***Connect with ORISE...on the GO!*** Download the new ORISE GO mobile app in the Apple App Store or Google Play Store to help you stay engaged, connected, and informed during your ORISE experience and beyond!

A complete application package consists of:

- An application
- Transcript(s) – For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Click **Here** for detailed information about acceptable transcripts.
- A current resume/CV
- Two educational or professional recommendations

All documents must be in English or include an official English translation.

Application Deadline 5/26/2023 3:52:47 PM Eastern Time Zone

Description ***Applications will be reviewed on a rolling-basis.***

NOAA Office/Lab and Location: A research opportunity is currently available with the National Oceanic and Atmospheric Administration (NOAA), National Ocean Service (NOS), National Centers for Coastal Ocean Science (NCCOS), Stressor Detection and Impacts Division (SDI), Harmful Algal Bloom (HAB) Forecasting Branch located in Beaufort, North Carolina or Silver Spring, Maryland. Remote reporting or a hybrid schedule may be possible.

The National Oceanic and Atmospheric Administration (NOAA) formed the National Centers for Coastal Ocean Science (NCCOS) in 1999 as the focal point for NOAA's coastal ocean science efforts. NCCOS helps NOAA meet its coastal stewardship and management responsibilities, and provides coastal managers with the scientific information necessary to decide how best to protect environmental resources and public health, preserve valued habitats, and improve the way communities interact with coastal ecosystems.

Research Project: This internship with NCCOS will provide an opportunity for the selected candidate to develop skills and gain experience in the field of environmental chemistry. The environmental chemists and toxicologists within the Ecotoxicology Branch of NCCOS have served as professional mentors and are interested in helping scientists learn and enhance their technical proficiencies in environmental sample handling and extraction; theoretical and applied instrumental analysis, data analysis, data management, and the interpretation and communication of project data. Current laboratory efforts that the intern will participate in include research that focuses on the measurement of inorganic and organic contaminants in coastal samples in water, sediments, and fish and shellfish tissues.

This research will be in support of the NCCOS priority of Detecting,

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Monitoring, and Mitigating Impacts of Chemical and Biological Stressors.

Learning Objectives: Under the guidance of a technical mentor, the selected candidate will gain experience in:

- Environmental sample handling and chemical extraction techniques
- Analytical chemistry instrumental analysis
- Data analysis, interpretation, and communication

Mentor: The mentor for this opportunity is Marie DeLorenzo (marie.delorenzo@noaa.gov). If you have questions about the nature of the research please contact the mentor.

Anticipated Appointment Start Date: June 2023. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for **three months in the summer** but may be renewed upon recommendation of NOAA and is contingent on the availability of funds.

Level of Participation: The appointment is full-time.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience.

Citizenship Requirements: This opportunity is available to U.S. citizens.

ORISE Information: This program, administered by ORAU through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and NOAA. Participants do not become employees of NOAA, DOE or the program administrator, and there are no employment-related benefits. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE.

Questions: If you have questions about the application process please email NOAA@orau.org and include the reference code for this opportunity.

Qualifications

The qualified candidate should have received a bachelor's or master's degree in one of the relevant fields (Chemistry, Environmental Science, Biology (with a concentration in Chemistry)), or be currently pursuing the degree with completion before May 31, 2024. Degree must have been received within the past six months.

Preferred skills:

- Interest in environmental chemistry; pollution or water quality. Recommended course work includes general chemistry; organic chemistry and instrumental/quantitative analytical chemistry, introduction to statistics, general biology, and physiology.
- Experience working in a laboratory setting, using pipettes, balances, and maintaining a clean laboratory workspace
- Ability to communicate well with others in oral and written formats.

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- Ability to perform research independently and in a group setting.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree or Master's Degree received within the last 6 months or anticipated to be received by 5/31/2024 12:00:00 AM.
- **Overall GPA:** 3.00
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Environmental and Marine Sciences** (7 👁)
  - **Life Health and Medical Sciences** (48 👁)
  - **Physics** (16 👁)