

**Opportunity Title:** EPA Gulf of Mexico Program Student Research Opportunity

**Opportunity Reference Code:** EPA-REG4-GMPO-2022-01

### Organization

U.S. Environmental Protection Agency (EPA)

### Reference Code

EPA-REG4-GMPO-2022-01

### How to Apply

A complete application 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. All transcripts must be in English or include an official English translation. Click [here](#) for detailed information about acceptable transcripts.
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- Two educational or professional recommendations. Click [here](#) for detailed information about recommendations.

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

### Application Deadline

10/24/2022 3:00:00 PM Eastern Time Zone

### Description

**\*Applications may be reviewed on a rolling-basis and this posting could close before the deadline.** Click [here](#) for information about the selection process.

**EPA Office/Lab and Location:** A current university internship project is available at the U.S. Environmental Protection Agency's (EPA), Region 4, Gulf of Mexico Division in Gulfport, Mississippi.

**Research Project:** This project is to evaluate water quality pollutants and sources, including but not limited to: E. coli, Vibrio species, water quality parameters, microplastics and source tracking techniques. The participant will have the opportunity to conduct studies to understand processes that affect water quality pollutant and/or pathogen levels and correlations in estuary and marine environments.

**Learning Objectives:** The participants may have the opportunity to be involved in the following activities:

- Developing field and laboratory experiments,
- Applying bacterial detection methods to determine correlations and risks.
- Interacting directly with community members to solve water quality pollution issues in their watershed.

The research study project includes data collection, analysis, and report preparation.

**Mentor(s):** The mentor for this opportunity is Philip Lee ([lee.philip@epa.gov](mailto:lee.philip@epa.gov)). If you have questions about the nature of the research please contact the mentor(s).

**Anticipated Appointment Start Date:** January 15, 2023. All start dates are flexible and vary depending on numerous factors. Click [here](#) for detailed information about start dates.

**Appointment Length:** The appointment may initially be for one year and may be renewed upon EPA recommendation and subject to availability of funding.

**Level of Participation:** The appointment is part-time (20 hours per week).

**Participant Stipend:** The participant will receive a monthly stipend commensurate with educational level and experience. **Funding may be made available to reimburse the participants' travel expenses to present the results of his/her research at scientific conferences.** Click [here](#) for detailed information about full-time stipends.

**EPA Security Clearance:** Completion of a successful background investigation by the Office of Personnel Management (OPM) is required for an applicant to be on-boarded at EPA.

**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

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Education (ORISE), was established through an interagency agreement between DOE and EPA. Participants do not become employees of EPA, 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.

The successful applicant(s) will be required to comply with Environmental, Safety and Health (ES&H) requirements of the hosting facility, including but not limited to, COVID-19 requirements (e.g. facial covering, physical distancing, testing, vaccination).



**Questions:** Please see the [FAQ section](#) of our website. After reading, if you have additional questions about the application process please email [EPArpp@ornl.gov](mailto:EPArpp@ornl.gov) and include the reference code for this opportunity.

### Qualifications

The qualified candidate should be currently pursuing a bachelor's or master's degree in Microbiology, Ecology, Public Health, Environmental Health Science, Toxicology, Biological Science, Biochemistry, Marine Science, Marine Biology or Molecular Biology within two years of the starting date or completion of all requirements for the degree should be expected prior to the appointment start date. Degree must have been received within five years of the appointment start date.

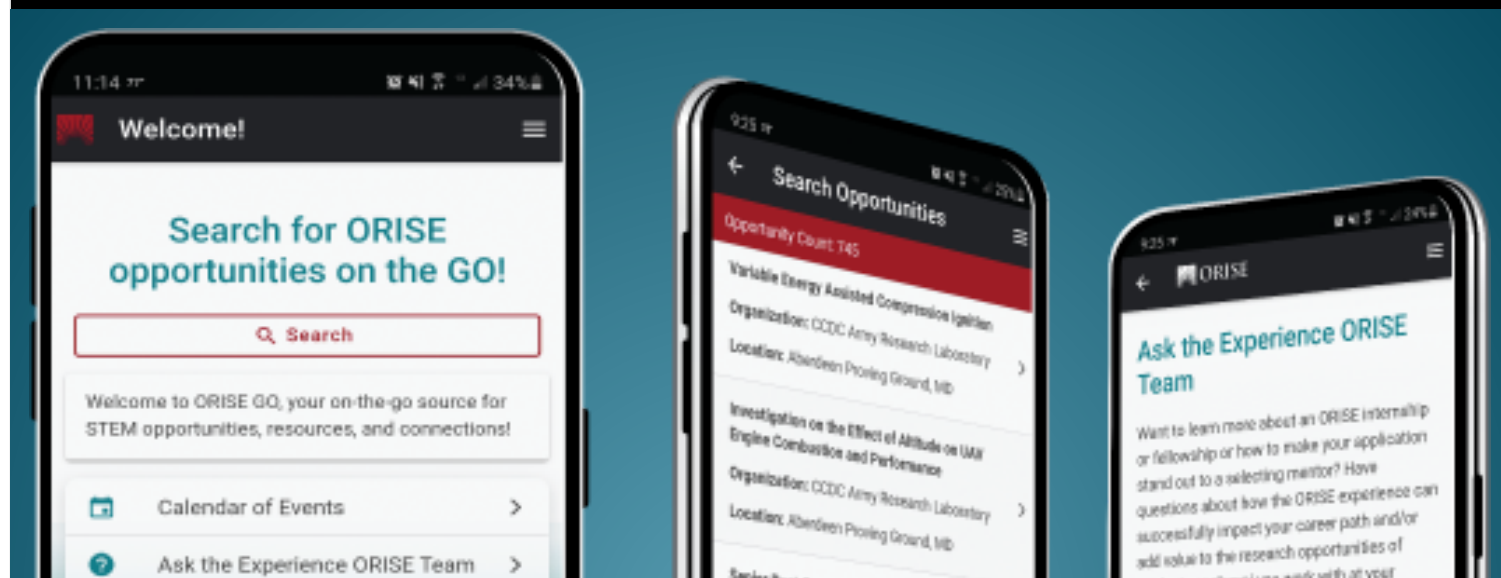
Experience with microbial source tracking methodology and analysis is preferred.

### Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Currently pursuing a Bachelor's Degree or Master's Degree.
- **Discipline(s):**
  - **Environmental and Marine Sciences** ([14](#) )
  - **Life Health and Medical Sciences** ([8](#) )

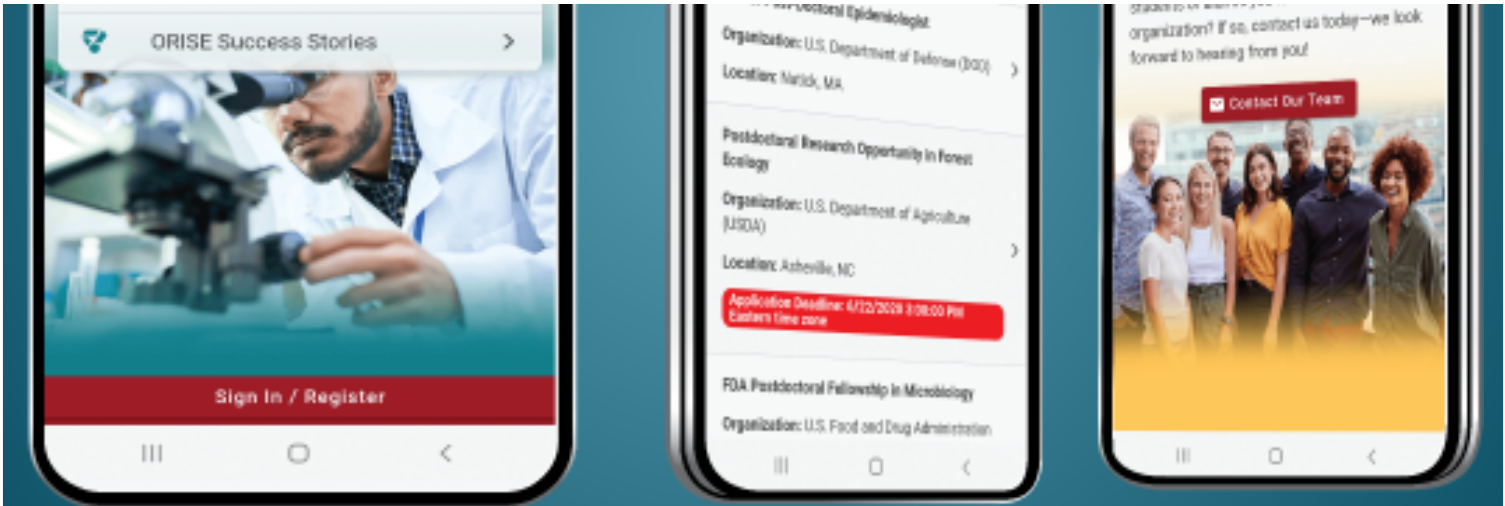


# OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION



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