

Opportunity Title: EPA Monitoring and Assessment of Nutrients in the Mississippi River Basin

Opportunity Reference Code: EPA-OW-OWOW-2022-03

Organization U.S. Environmental Protection Agency (EPA)

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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 4/15/2022 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 research opportunity is currently available at the U.S. Environmental Protection Agency's (EPA), Office of Water (OW), Office of Wetlands, Oceans, and Watersheds (OWOW) located in Washington, D.C.

Research Project: The aim of this research is to reduce nutrient loads in order to improve water quality. The selected participant will have the opportunity to gain hands-on experience through analysis and research with the EPA Hypoxia Team, the Hypoxia Task Force and SERA-46 (a committee of research and extension specialists at land grant universities) in the Watershed Restoration, Assessment and Protection Division, within the Office of Wetlands, Oceans, and Watersheds. The participant will be trained in opportunities for evaluating, improving and communicating results that track the progress of nutrient reduction efforts through varied metrics.

Learning Objectives: Under the guidance of a mentor, the participant may:

- Communicate technical, scientific info to the public, stakeholders, partners, and HTF
- Translate complex info to decision-makers; inform policy with technical info and analysis
- Assess environmental and policy issues related to reducing nitrogen and phosphorus pollution in the Mississippi River Basin
- Develop and use quantification tools and other indicators of progress
- Develop and form partnerships with those striving toward similar goals
- Participate in agricultural science, monitoring and modeling efforts that



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can help strengthen efforts to reduce nutrients in the Mississippi River Basin

- Participate in municipal and industrial wastewater treatment reporting and compliance through EPA's National Pollutant Discharge Elimination System (NPDES)
- Participate in agricultural and water quality-related research conferences
- Understand EPA and Clean Water Act programs to protect water quality and manage water resources

Mentor(s): The mentor(s) for questions about this opportunity is Katie Flahive (flahive.katie@epa.gov). If you have questions about the nature of the research please contact the mentor(s) directly.

Anticipated Appointment Start Date: Spring 2022. All start dates are flexible and vary depending on numerous factors. Click [here](#) for detailed information about start dates.

Appointment Length: The appointment will initially be for one year and may be renewed up to three additional years upon EPA recommendation and subject to availability of funding.

Level of Participation: The appointment is full-time.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience. **At this time, the annual stipend for bachelor's degrees is ~\$50,643 per year and master's degrees ~\$61,947.** 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 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.

ORISE offers all ORISE EPA graduate students and Postdocs a free 5 year membership to the National Postdoctoral Association (NPA).

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 ORISE.EPA.OW@orau.org and include the reference code for this

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opportunity.

Qualifications The qualified candidate should be currently pursuing or have received a bachelor's or master's degree (preferred) in one of the relevant fields. Degree must have been received within the past five years.

- Eligibility Requirements**
- **Citizenship:** LPR or U.S. Citizen
 - **Degree:** Bachelor's Degree or Master's Degree received within the last 60 months or anticipated to be received by 5/31/2022 11:59:00 PM.
 - **Academic Level(s):** Graduate Students, Post-Bachelor's, Post-Master's, or Undergraduate Students.
 - **Discipline(s):**
 - **Earth and Geosciences** ([7](#))
 - **Engineering** ([4](#))
 - **Environmental and Marine Sciences** ([12](#))
 - **Life Health and Medical Sciences** ([15](#))
 - **Mathematics and Statistics** ([11](#))
 - **Physics** ([16](#))
 - **Social and Behavioral Sciences** ([1](#))
 - **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).