

Opportunity Title: EPA Fellowship to Research and Analyze Environmental Data and Health Threats

Opportunity Reference Code: EPA-REG5-LCRD-2022-02

Organization

U.S. Environmental Protection Agency (EPA)

Reference Code

EPA-REG5-LCRD-2022-02

How to Apply

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

A complete application consists of:

- An application
- Transcripts – [Click here for detailed information about acceptable transcripts](#)
- A current résumé/CV, including academic history, employment history, relevant experiences, and publication list
- A Writing Sample (upload in Writing Sample area): Please provide one or more previous examples of science writing as well as a brief description of any experience with community-based initiatives
- Two educational or professional references

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

If you have questions, send an email to EPArpp@orau.org. Please include the reference code for this opportunity in your email.

Application Deadline

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

Description

***Applications may be reviewed on a rolling-basis.** Click [here](#) for information about the selection process.

EPA Office/Lab and Location: A postgraduate research training opportunity is currently available with the U.S. Environmental Protection Agency's (EPA) Region 5 Land, Chemical & Redevelopment Division (LCRD) within the Land & Chemicals Branch located in Chicago, Illinois.

Research Project: The participant will research and analyze environmental data to locate potential underserved communities. The findings will then be presented (by the participant) to EPA scientists and managers for potential utilization. The participant will then research the most efficient ways to identify community representatives to engage for outreach and education, and actually engage the representatives to identify and address community needs to reduce exposures to lead-based paint and pesticides. The participant will also determine efficiencies by actual implementation of the community initiatives.

By identifying these underserved communities, EPA, including the participant, can then assist the communities to potentially reduce exposures to lead-based paint and pesticides. In doing so, the participant will help fulfill EPA's mission to protect public health and the environment.

In addition to analyzing environmental data, identifying methods and efficiencies in identifying, communicating with, and addressing needs of underserved communities, the participant may also support:

- Quality assurance activities to ensure that data is accurate;
- Lead renovation and abatement targeting and research; and
- Children's health and healthy homes efforts.

Learning Objectives: The participant will learn how to apply their scientific and technical knowledge in the field of public health, while learning how to collect relevant statistical data, interpret results, and explain those results to EPA employees, state environmental agencies, and tribal representatives, and develop and implement community-based initiatives. Through this project, the participant will have the opportunity to:

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- Observe how science is used at the EPA
- Learn how EPA utilizes (and quality assures) public health data
- Learn about existing EPA environmental tools
- Develop skills to develop and implement community-based initiatives
- Develop skills in scientific writing and public presentations

Mentor(s): The mentor to contact for questions about this opportunity is Juan Mendez (mendez.juan@epa.gov). If you have questions about the nature of the research please contact the mentor(s).

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

Appointment Length: The appointment may be initially be for one year and may be renewed 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. **The current yearly stipends for this opportunity are \$46,000 (BS), \$56,000 (MS), and \$72,000 (Ph.D.).** 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.REG@orau.org and include the reference code for this opportunity.

Qualifications

The qualified candidate should have received a bachelor's degree in one of the required fields (Environmental Science, Physical or Health Science, Public Health, Environmental Engineering), or be currently pursuing a master's degree. Degree must have been received within five years of the starting date.

The following preferred skills or experience would be favorable for a potential candidate:

- Understanding and communicating (verbally and written) science, data, and/or policy to non-technical audiences;
- Geographic information systems and data analysis to identify underserved communities;
- Environmental data analysis;
- Development and implementation of public health or community initiatives.

Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([2](#) )

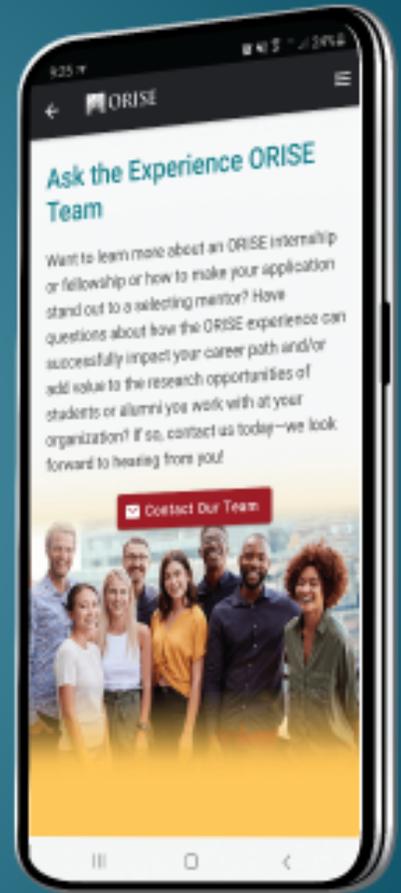
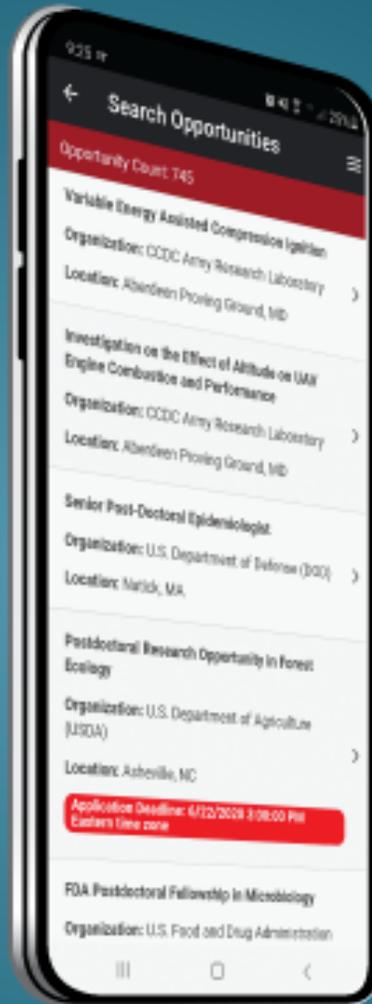
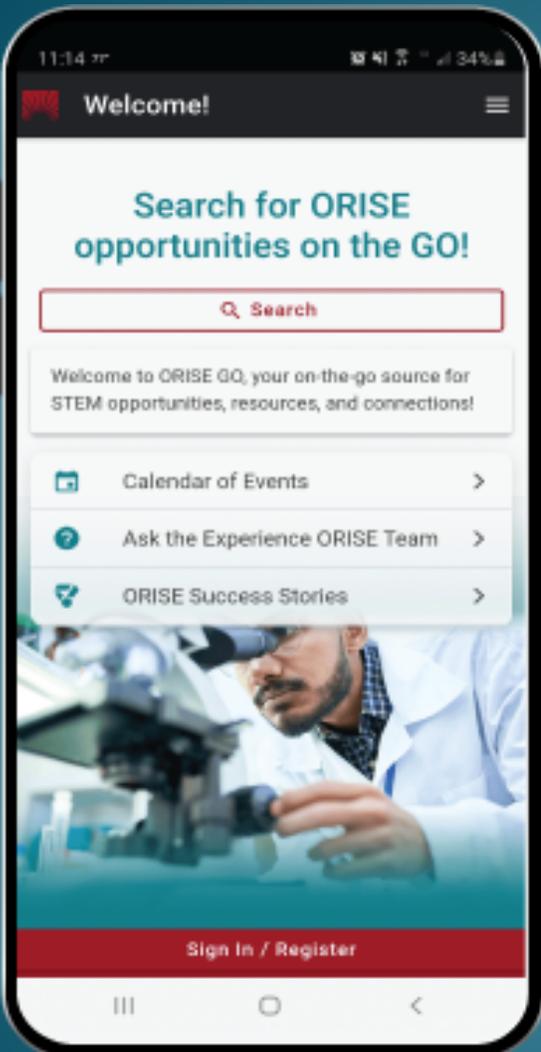
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- **Communications and Graphics Design** (6👁)
- **Computer, Information, and Data Sciences** (1👁)
- **Engineering** (3👁)
- **Environmental and Marine Sciences** (1👁)
- **Life Health and Medical Sciences** (4👁)
- **Social and Behavioral Sciences** (5👁)



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