

Opportunity Title: CDC Public Health Analysis: Healthcare Wastewater Antimicrobial Resistance Network

Opportunity Reference Code: CDC-NCEZID-DHQP-2024-0217

Organization Centers for Disease Control and Prevention (CDC)

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How to Apply *To submit your application, scroll to the bottom of this opportunity and click **APPLY**.*

A complete application consists of:

- An application
- Transcripts – [Click here for detailed information about acceptable transcripts](#)
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- One educational or professional recommendation. Your application will be considered incomplete, and will not be reviewed until one recommendation is submitted.

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

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Application Deadline 12/31/2024 3:00:00 PM Eastern Time Zone

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

CDC Office and Location: A research opportunity is available in the Centers for Disease Control and Prevention (CDC), Division of Healthcare Quality Promotion (DHQP), Clinical and Environmental Microbiology Branch (CEMB), located in Atlanta, Georgia.

The Centers for Disease Control and Prevention (CDC) is one of the major operation components of the Department of Health and Human Services. CDC works to protect America from health, safety and security threats, both foreign and in the U.S. Whether diseases start at home or abroad, are chronic or acute, curable or preventable, human error or deliberate attack, CDC fights disease and supports communities and citizens to do the same.

The Clinical and Environmental Microbiology Branch (CEMB) is the laboratory branch in the Division of Healthcare Quality Promotion (DHQP). The mission of DHQP is to protect patients; protect healthcare personnel; and promote safety, quality, and value in both national and international healthcare delivery systems. The Healthcare Environmental Applied Research team (HEART) in CEMB is seeking applications for a Master's level ORISE Fellow. The team performs applied laboratory research to detect, prevent, and control antimicrobial-resistant organisms and other pathogens associated with healthcare settings.

Research Project: The fellow will train with the Healthcare Wastewater Antimicrobial Resistance Network (H-WARN) within the HEART team to train in evaluation and advising processes as part of H-WARN's mission to



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develop early warning and monitoring for antimicrobial resistant organisms within wastewater from healthcare facilities.

Learning Objectives: The fellow will gain experience by participating in meetings with H-WARN partners, collaborating with other teams and branches within DHQP and in communicating findings with CDC colleagues and public health partners. The fellow will organize and summarize domestic and international results and metadata from several sources in this quickly expanding field using various tools such as R, RedCap, and/or Power BI.

Mentor(s): The mentor for this opportunity is Margaret Williams (cux6@cdc.gov). If you have questions about the nature of the research please contact the mentor.

Anticipated Appointment Start Date: December 1, 2024. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for one year, but may be renewed upon recommendation of CDC and is contingent on the availability of funds.

Level of Participation: The appointment is full time.

Participant Stipend: Stipend rates may vary based on numerous factors, including opportunity, location, education, and experience. If you are interviewed, you can inquire about the exact stipend rate at that time and if selected, your appointment offer will include the monthly stipend rate.

Citizenship Requirements: This opportunity is available to U.S. citizens, Lawful Permanent Residents (LPR), and foreign nationals. Non-U.S. citizen applicants should refer to the [Guidelines for Non-U.S. Citizens Details page](#) of the program website for information about the valid immigration statuses that are acceptable for program participation.

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 CDC. Participants do not become employees of CDC, 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 visit our [Program Website](#). After reading, if you have additional questions about the application process please email ORISE.CDC.NCEZID@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should be currently pursuing or have received a master's degree in the

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one of the relevant fields (Microbiology, Public Health, Laboratory Sciences or related field). Degree must have been received within the past five years, or be currently pursuing.

Preferred skills:

- Concentration or training in environmental sciences, microbiology, and/or public health is desired.
- Knowledge of data visualization tools (Power BI) and Microsoft Office suite, particularly Excel, or R or RedCap is desired.
- Demonstrated organizational and communications skills, including preparation of written materials such as documents and reports is also desired.
- Have a demonstrated ability to perform efficiently, both independently and as part of a team.

**Eligibility
Requirements**

- **Degree:** Master's Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
 - **Environmental and Marine Sciences** ([2](#))
 - **Life Health and Medical Sciences** ([8](#))

Affirmation I certify that I have not previously been employed by CDC or by a contractor working directly for CDC. I understand that CDC does not permit individuals with a prior employment relationship with CDC or its contractors to participate as trainees in the ORISE program. (Exceptions may be granted for individuals who, since the previous CDC employment, have obtained a new STEM degree which necessitates training in a new field.)