Opportunity Title: CDC Epidemiology and Antimicrobial Resistance in Healthcare-Associated Infections

Opportunity Reference Code: CDC-NCEZID-2022-0047

Organization	Centers for Disease Control and Prevention (CDC)
Reference Code	CDC-NCEZID-2022-0047
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 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.

Application Deadline	1/24/2022 3:00:00 PM Eastern Time Zone
Description	***Applications will be reviewed on a rolling-basis.***

CDC Office and Location: A research opportunity is currently available with the Office of Laboratory Strategies and Analytics (OLSA) in the Division of Healthcare Quality and Promotion (DHQP) at the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.
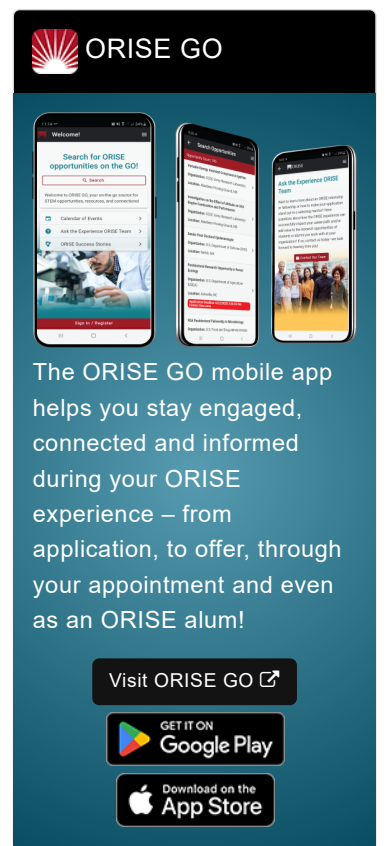
Research Project: The fellow will join the team and help to manage and analyze data from a variety of antibiotic resistance activities focused on healthcare associated infections, including domestic and global networks like the Antibiotic Resistance Laboratory Network (AR Lab Network) and the Global Action in Healthcare Network (GAIHN).

The participant will be involved with cleaning and analyzing data collected through various testing and surveillance networks. The fellow will learn how to detect and describe trends in resistance using AR Lab Network data. The fellow will gain experience in communicating the work and findings of AR Laboratory Network with federal and state partners, presenting at national and regional conferences, and informing CDC and external colleagues of unique findings. The fellow will gain skills in providing support for outbreak and epidemiologic investigations. The fellow will learn all aspects of collaborating with other teams within CEMB, other branches within the DHQP, domestic public health partners, academic collaborators, and global organizations.

Learning Objectives:

- Detect and describe trends in novel and emerging antibiotic resistance.
- Manage data from numerous partners and systems, troubleshoot errors, and help maintain reporting interfaces specific to healthcare-associated pathogens.

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- Link data across public health surveillance systems.
- Prepare interim and annual reports for key partners.
- Support epidemiologic investigations related to testing of and response to antibiotic resistance threats.
- Collaborate with internal and external public health and clinical partners to help detect, describe, and prevent antibiotic resistance.
- Present data to scientific and non-scientific audiences.

Mentor(s): The mentor for this opportunity is Allison Brown (iyk6@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: January 2022. 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 part-time (20 hours per week).

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, 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.

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 bachelor's degree in one of the relevant fields. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Excellent organizational and communication skills, which include public speaking and preparation of written materials such as documents and reports
- Demonstrable knowledge of basic SAS (preferred), R, Python, or similar programming software and concepts
- Ability to work well independently and as part of a team

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Eligibility Requirements	- **Degree:** Bachelor's Degree received within the last 60 months or currently pursuing.
	- **Discipline(s):**
	   ◦ **Earth and Geosciences** (2 👁)
	   ◦ **Environmental and Marine Sciences** (3 👁)
	   ◦ **Life Health and Medical Sciences** (12 👁)
	   ◦ **Mathematics and Statistics** (2 👁)