

**Opportunity Title:** CDC Clinical and Environmental Microbiologist Fellowship

**Opportunity Reference Code:** CDC-NCEZID-2022-0141

**Organization** Centers for Disease Control and Prevention (CDC)

**Reference Code** CDC-NCEZID-2022-0141

**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** 5/25/2022 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 in the Division of Healthcare Quality Promotion (DHQP) within the National Center for Zoonotic and Emerging Infectious Diseases (NCEZID) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

**Research Project:** The Clinical and Environmental Microbiology Branch (CEMB) is the laboratory branch in 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 Surveillance Team in CEMB is seeking applications for an ORISE Fellow. The surveillance team conducts laboratory surveillance of several pathogens that can lead to infection in a healthcare environment. These include *Staphylococcus aureus*, *Enterococcus* spp., *Clostridioides difficile*, and multidrug-resistant gram-negative bacteria including carbapenem-resistant Enterobacterales, extended-spectrum beta-lactamase-producing Enterobacterales, *Pseudomonas aeruginosa*, *Acinetobacter baumannii*, and *Stenotrophomonas maltophilia*.

The fellow will train with the Surveillance Team in CEMB as a Microbiologist to assist with ongoing surveillance projects, including the microbiological and molecular characterization of healthcare associated pathogens.

**Learning Objectives:** The fellow's training opportunities will include antimicrobial susceptibility testing, identification of bacteria using MALDI-TOF, performing PCR, assistance with whole genome sequencing, and database management. The fellow will gain experience working with other teams and branches within DHQP and in communicating findings with CDC colleagues and public health partners.

**Mentor(s):** The mentor(s) for this opportunity is Alicia



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Shams ([aop9@cdc.gov](mailto:aop9@cdc.gov)). Please contact them if you have questions about the nature of this research.

**Anticipated Appointment Start Date:** June 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 full-time.

**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.

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@ornl.gov](mailto:ORISE.CDC.NCEZID@ornl.gov) and include the reference code for this opportunity.

**Qualifications** The qualified candidate should have received a master's degree in one of the relevant fields (e.g. Microbiology), or be currently pursuing the degree with completion by the end of June 2022. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Degree concentration or training in microbiology and/or molecular biology.
- Knowledge of and familiarity with the above bacteria and above skills
- Knowledge of Microsoft Office suite, particularly excel
- Demonstrated organizational and communications skills, including preparation of written materials such as documents and reports

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- Demonstrated ability to work efficiently, both independently and as part of a team.

**Eligibility  
Requirements**

- **Degree:** Master's Degree received within the last 60 months or anticipated to be received by 6/30/2022 11:59:00 PM.
- **Discipline(s):**
  - **Life Health and Medical Sciences** ([9](#) 👁)