

Opportunity Title: CDC Microbiologist/Biologist Fellowship
Opportunity Reference Code: CDC-NCEZID-DHCPP-2023-0138

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-NCEZID-DHCPP-2023-0138

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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 9/11/2023 3:00:00 PM Eastern Time Zone

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

CDC Office and Location: A research and training opportunity is available in the Bacterial Special Pathogens Branch (BSPB), Division of High-Consequence Pathogens and Pathology (DHCPP) of the National Centers for Emerging and Zoonotic Infectious Diseases (NCEZID) at the Centers for Disease Control and Prevention (CDC) located in Atlanta, Georgia. Partial or fully remote work is available following <https://orise.orau.gov/usda-ars/documents/orise-virtual-remote-mentor-guide.pdf>

BSPB serves as a national reference laboratory for several high consequence bacterial pathogens, including *Bacillus anthracis*, *Burkholderia mallei* and *pseudomallei*, *Brucella* spp., as well as over 500 rare and unusual bacterial pathogens. A major component of the work done within BSPB is to investigate outbreaks, conduct surveillance, and identify novel species of bacterial pathogens.

Research Project: BSPB is looking for a candidate to participate in development, evaluation, and validation of several assays for detection of pathogens in clinical and environmental samples. A major component of this project will be collaborating with partners to evaluate and adapt a microfluidics system developed by academic partners for use in recovering bacteria of interest from complex environmental samples.


Learning Objectives: As a result of this training the participant will gain experience in molecular biology (whole genome sequencing, PCR, etc.), fundamentals of method evaluation and validation, and how environmental microbiology is applied to public health investigations.


Mentor(s): The mentor(s) for this opportunity is Zachary Weiner (xxd7@cdc.gov). Please contact them if you have questions about the nature of this research.


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Anticipated Appointment Start Date: August 1, 2023. 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 only.

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 have received a bachelor's or master's degree in one of the relevant fields (e.g. Biology, Microbiology), or be currently pursuing one of the degrees with completion before September 30, 2023. Most recent degree must have been received in the past five years.

Preferred Skills:



- Experience with PCR and DNA extraction
- Proficient in aseptic laboratory techniques
- Experience with bacterial culture
- Degree or experience working in a microbiology laboratory is ideal
- Communications skills and a desire to learn and grow

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 months or anticipated to be received by 9/30/2023 11:59:00 PM.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#))
 - **Computer, Information, and Data Sciences** ([17](#))

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- **Environmental and Marine Sciences** ([2](#) )
- **Life Health and Medical Sciences** ([48](#) )

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.)