Opportunity Title: CDC Fellowship in Drug-resistant Fungi Epidemiologic Data Analyses
Opportunity Reference Code: CDC-DFWED-2022-0132

Organization	Centers for Disease Control and Prevention (CDC)	ORISE
Reference Code	CDC-DFWED-2022-0132	

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

5/23/2022 3:00:00 PM Eastern Time Zone

Description

*Applications will be reviewed on a rolling-basis.

CDC Office and Location: A research opportunity is available with the Division of Foodborne, Waterborne, and Environmental Diseases (DFWED) in the National Center for Emerging and Zoonotic Infectious Diseases (NEZID) at the Centers for Disease Control and Prevention (CDC) 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.

Research Project: The Mycotic Diseases Branch (MDB) is looking for a candidate to participate in epidemiology projects related to fungal diseases. This opportunity will be focused on training for managing and analyzing data about resistant Candida, C. auris, and other resistant fungal pathogens and will include (1) merging and cleaning data from various sources, (2) conducting analyses that inform our understanding of C. auris risk factors and transmission, and (3) developing reports and publications to share these results.

Learning Objectives: Under the guidance of a mentor, learning objectives include:

- Develop skills in data cleaning, management, and analysis using laboratory and epidemiology data
- Gain experience in conducting high priority data analyses to answer epidemiological question and guide response activities
- Develop skills in interpreting analytic results and presenting them to internal and external partners
- Acquire informatic experience using various data management software and platforms, including Microsoft Access and Excel, SAS, and the branch-wide electronic database
- Gain a better understanding of the epidemiology of multidrug-resistant organisms, healthcare-associated infections, Candida, C. auris, and other resistant fungal pathogens

Mentor(s): The mentor for this opportunity is Lynette Benjamin (bil0@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: May 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@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. Epidemiology, Public Health), or be currently pursuing one of the degrees with completion by May 31, 2022. Degree must have been received within the past five years.

Preferred skills:

- Good organizational and communication skills
- Experience with cleaning and manipulating large datasets
- Proficiency in programming language (at a minimum SAS. Python experience helpful, but not required)
- Experience in performing statistical data analysis and basic modeling
- Skills in data visualization
- Proficiency in academic writing

Eligibility Requirements

- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 months or anticipated to be received by 5/31/2022 11:59:00 PM.
- **Discipline(s):**
  - **Computer, Information, and Data Sciences** (1 👁)
  - **Life Health and Medical Sciences** (48 👁)