

**Opportunity Title:** CDC Microbiology Fellowship  
**Opportunity Reference Code:** CDC-NCIRD-2020-0043

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

**Reference Code** CDC-NCIRD-2020-0043

**How to 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.

If you have questions, send an email to [ORISE.CDC.NCIRD@orau.org](mailto:ORISE.CDC.NCIRD@orau.org). Please include the reference code for this opportunity in your email.

**Application Deadline** 1/20/2020 3:00:00 PM Eastern Time Zone

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

A research opportunity is currently available within the Meningitis and Vaccine Preventable Diseases Branch (MVPDB), Division of Bacterial Diseases (DBD), National Center for Immunization and Respiratory Diseases (NCIRD), at the Centers for Disease Control and Prevention (CDC) located in Atlanta, Georgia.

The mission of the DBD is to prevent and control illness and death from vaccine-preventable and other respiratory bacterial diseases, in the U.S. and worldwide, through excellence in epidemiologic and laboratory science. This office within the NCIRD plays a critical role in outbreak response, epidemiology, laboratory diagnosis and pathogen characterization, vaccine development, and control of respiratory and vaccine-preventable disease nationally and globally.

Under the guidance of a mentor, the participant will learn how to measure population level immunity to Diphtheria by measuring the functional activity of antibodies to neutralize Diphtheria toxin. The participant will have the opportunity to learn manipulation and management of various cell cultures and perform cell based toxin neutralization assays with various bacterial toxins such as Diphtheria or Pertussis toxin. The participant will gain skills in analyzing laboratory data and preparing summary reports. The participant will contribute to the development and validation activities for new assays. The participant will gain experience in testing NHANES specimen for anti-diphtheria toxin neutralizing antibodies.

**Anticipated Appointment Start Date:** January 6, 2020

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and CDC. The initial appointment can be up to one year, but may be renewed upon recommendation of CDC contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at CDC in the Atlanta, Georgia, area. Participants do not become employees of CDC, DOE or the program administrator, and there are no employment-related benefits.



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**Qualifications** The qualified candidate should have received a master's or doctoral degree in one of the relevant fields. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Experience with bacterial or mammalian cell culture, flow cytometry, or serological testing methods
- Basic experience working in a biological laboratory and familiarity with standard safety practices such as proper PPE and working in a biological safety cabinet

- Eligibility Requirements**
- **Degree:** Master's Degree or Doctoral Degree received within the last 60 month(s).
  - **Discipline(s):**
    - **Chemistry and Materials Sciences** ([1](#) )
    - **Communications and Graphics Design** ([1](#) )
    - **Life Health and Medical Sciences** ([6](#) )
    - **Mathematics and Statistics** ([1](#) )