Opportunity Title: CDC Analytical Chemistry Fellowship
Opportunity Reference Code: CDC-DSR-2020-0057

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-DSR-2020-0057

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.NCEZID@orau.org. Please include the reference code for this opportunity in your email.

Application Deadline 7/31/2020 3:00:00 PM Eastern Time Zone

Description

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

A research opportunity is currently available with the Biotechnology Core Facility Branch (BCFB) in the Division of Scientific Resources (DSR) within the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

The mission of BCFB is to provide access to cutting-edge instrumentation and platforms as well as specialized expertise in the areas of structural analysis and synthesis of biopolymers (DNA, proteins, peptides, and small bioactive molecules), molecular assay development, and scientific computing and bioinformatics. Services of the Biotechnology Core Facility (BCFB) are open to all CDC scientists.

The selected participant will train with the Activity Leader to implement specified goals of BCFB's biopolymer (principally DNA and Peptide synthesis and analysis) laboratories. This will include contributing to laboratory data output, data management, and analysis.

Under the guidance of a mentor, the participant will learn new techniques, software operation, perform DNA and Peptide synthesis (both automated and at bench), and operate highly technical equipment including analytical and preparative HPLCs, mass spectrometers, capillary electrophoresis instruments, and UV/VIS spectrophotometers.

During the fellowship, the participant may have the following opportunities:

- Collaborate with BCFB staff and other scientists in diverse research, development, and production laboratories
- Participate in BCFB projects from inception to completion including data presentation in scientific meetings
- Operate synthesis, analysis, and mass spectrometry (MALDI-TOF MS) instruments

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- Provide quality control on synthetic products including interpretation of data and troubleshooting
- Contribute to other molecular detection and synthetic methods development on a need basis

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.

Qualifications

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

Preferred skills:

- Ability to perform general chemistry bench tasks with accuracy and efficiency

Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Master's Degree received within the last 60 month(s).
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Life Health and Medical Sciences** (1 👁)