

Opportunity Title: CDC Clinical Chemistry Fellowship

Opportunity Reference Code: CDC-DLS-2020-0074

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-DLS-2020-0074

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

Application Deadline 4/20/2020 3:00:00 PM Eastern Time Zone

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

Four research opportunities are currently available in the Division of Laboratory Sciences (DLS) within the National Center for Environmental Health (NCEH) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

DLS conducts research and provides laboratory support that improves the detection, diagnosis, treatment and prevention of environmental, tobacco-related, nutritional, newborn, selected chronic and selected infectious diseases. Within DLS, the Protein Biomarker and Lipids Reference Laboratories in the Clinical Chemistry Branch support this through research on biomarkers to detect human exposure to environmental chemicals and to diagnose and treat chronic diseases, as well as through the Clinical Harmonization program to improve the quality and reliability of diagnostic tests for priority clinical analytes.

This fellowship will provide the opportunity to obtain hands-on experience in human exposure research and laboratory medicine. This includes operating state-of-the-art laboratory equipment and procedures, performing quality assurance activities, and processing and evaluating complex laboratory data.

Under the guidance of a mentor, the participant will be trained in the following activities:

- Preparation of biological samples to quantify biomarkers of human exposure or establish reference values according to established laboratory procedures
- Operation, maintenance, and troubleshooting of liquid chromatography, gas chromatography, mass spectrometry, and automated liquid handling instrumentation
- Data processing and analysis using complex software and data evaluation procedures
- Contribute to the development of written documentation that clearly and accurately documents laboratory procedures, instrument operation, experimental results, troubleshooting and remedial actions
- Perform activities in compliance with policies and regulations such as those outlined in the Clinical Laboratory Improvement Amendment (CLIA) or International Organization for Standardization (ISO) standards

This program, administered by ORAU through its contract with the U.S. Department of Energy to



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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 bachelor's or master's degree in one of the relevant fields, or be currently pursuing one of the degrees and will reach completion by May 2020. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Experience conducting laboratory experiments
- Ability to conduct literature searches and to write reports describing laboratory results
- HPLC, GC, and MS instrumentation experience
- Good written and oral communication skills, including proficiency with Microsoft Office

- 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 5/31/2020 11:59:00 PM.
 - **Overall GPA:** 3.00
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Computer, Information, and Data Sciences** ([1](#) )
 - **Environmental and Marine Sciences** ([1](#) )
 - **Life Health and Medical Sciences** ([45](#) )
 - **Mathematics and Statistics** ([3](#) )