

Opportunity Title: CDC Clinical Chemistry Fellowship
Opportunity Reference Code: CDC-NCEH-DLS-2022-0201

Organization Centers for Disease Control and Prevention (CDC)

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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 7/11/2022 3:00:00 PM Eastern Time Zone

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

CDC Office and Location: A research opportunity is currently available with 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.

The 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: 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 supports this through performing 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 selected fellow 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 tasks, and processing and evaluating complex laboratory data.

Learning Objectives: Under the guidance of a mentor, training opportunities during the fellowship may include:

- Preparation of biological samples to quantify biomarkers of human



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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
- Develop written documentation that clearly and accurately documents laboratory procedures, instrument operation, experimental results, troubleshooting and remedial actions
- Perform tasks in compliance with policies and regulations such as those outlined in the Clinical Laboratory Improvement Amendment (CLIA) or International Organization for Standardization (ISO) standards

Mentor(s): The mentor(s) for this opportunity is Enada Archibold (eha4@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: 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 for up to five years 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. **A standard Blue Cross/Blue Shield health insurance policy will be provided (with optional dental and vision coverage) with a maximum stipend toward individual coverage of \$507 per month (\$546 with dental and vision coverage). Relocation expenses are not covered.**

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

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the application process please email ORISE.CDC.NCEH@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should have received a bachelor's degree in one of the relevant fields, or be currently pursuing the degree with completion by the appointment start date. Degree must have been received within five years of the appointment start date.

Preferred Skill:

- 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

- **Degree:** Bachelor's Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([5](#) )
 - **Life Health and Medical Sciences** ([9](#) )
 - **Mathematics and Statistics** ([3](#) )

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.)*