

Opportunity Title: CDC/NCEH/DLS Fellowship Opportunity at Tobacco and

Volatiles Branch

Opportunity Reference Code: CDC-NCEH-DLS-2024-0052

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-NCEH-DLS-2024-0052

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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
- Two 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 6/30/2024 11:59:00 PM Eastern Time Zone

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

CDC Office and Location: A research opportunity is available with the Tobacco and Volatiles Branch (TVB) at the Division of Laboratory Sciences (DLS) within the National Center for Environmental Health (NCEH) 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.

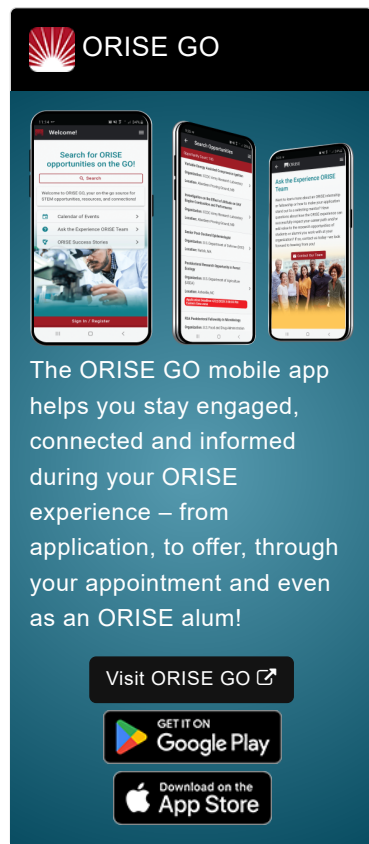
Research Project: The selected participant will contribute to research that involves designing, developing, and validating analytical methods to quantify tobacco related biomarkers in human urine and other matrices using techniques such as automated sample preparation and liquid chromatography/tandem mass spectrometry (LC/MS/MS).

Learning Objectives: Training will include but not be limited to:

- Development, implementation, and troubleshooting of comprehensive quantitative analysis methods by LC/MS/MS combined with sample preparation using automated liquid handling systems
- Applying analytical methods to studies supported by DLS while maintaining compliance of Clinical Laboratory Improvement Amendment (CLIA) standards, policies and regulations
- Data analysis, evaluation, and interpretation using complex software such as Analyst, Indigo Ascent, and SAS
- Quality assurance and control procedures for reporting and sharing study results


Mentor(s): The mentor for this opportunity is Shrila Mazumder (lsz1@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).


Anticipated Appointment Start Date: June 1, 2024. Start date is flexible and will depend on a




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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 and Lawful Permanent Residents (LPR) only.

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.NCEH@ornl.gov and include the reference code for this opportunity.

Qualifications The qualified candidate should have received a master's degree in one of the relevant fields (analytical chemistry or related field). Degree must have been received within the past five years.

Preferred skills:

- An overall GPA of 3.3 or higher on a 4.0 scale is preferred
- Knowledge and skills in biological sample handling/processing, LC/MS/MS instrument operation, maintenance, and data analysis
- Proficient at using Microsoft Office applications
- Good communication, presentation, and writing skills, and ability to collaborate in a team environment
- Knowledge of statistical analysis using R, Python, SPSS, Stata, or SAS is desirable

Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Master's Degree received within the last 60 month(s).
- **Overall GPA:** 3.30
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([3](#) )
 - **Life Health and Medical Sciences** ([4](#) )

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

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granted for individuals who, since the previous CDC employment, have
obtained a new STEM degree which necessitates training in a new field.)