

Opportunity Title: CDC FSB Organics Laboratory Postdoctoral Fellowship - LCMS and GCMS Method Development for Occupational Health Research

Opportunity Reference Code: CDC-NIOSH-2023-0076

Organization

Centers for Disease Control and Prevention (CDC)

Reference Code

CDC-NIOSH-2023-0076

How to Apply

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A complete application consists of:

- An application (<https://www.zintellect.com/>)
- Transcripts – click here for detailed information about acceptable transcripts (<https://zintellect.com/Public/CmsFileContent/transcriptguide>)
- A current resume/CV, including academic history, employment history, relevant experiences, and publication list
- One educational or professional reference. Your application will be considered incomplete and will not be reviewed until a recommendation is submitted.

All documents, including transcripts, must be in English or include an official English translation.

If you have questions, send an email to ORISE.CDC.NIOSH@orau.org. Please include the reference code for this opportunity in your email.

Application Deadline

7/31/2023 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 National Institute for Occupational Safety and Health (NIOSH), at the Centers for Disease Control and Prevention (CDC) in Morgantown, West Virginia.

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. The National Institute for Occupational Safety and Health, NIOSH, is part of the CDC. [About NIOSH | NIOSH | CDC](#)

Research Project: This research project will involve the development of analytical methods using ultra-high-performance liquid chromatography-tandem mass spectrometry (UHPLC-MS/MS) to simultaneously quantify multiple microbial secondary metabolites including mycotoxins (at least 37 metabolites) and using gas chromatography mass spectrometry (GC-MS) to quantify volatile organic compounds. For mycotoxins, this approach will be used to quantify the secondary metabolites in dust samples from water-damaged buildings to characterize exposures as well as derived from fungal test articles used in murine animal model studies. We are looking for an enthusiastic and highly-motivated individual with an interest in analytical chemistry, toxicology, and exposure assessment to join our research team in the Field Studies Branch of the Respiratory Health Division, National Institute for Occupational Safety and Health, CDC.

Learning Objectives: The appointment will provide an intensive training experience in basic or translational respiratory research, statistical analysis of data, as well as exposure science. Participants will collaborate with experts in their subject area and have the opportunity to develop technical writing and presentation skills.

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

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Anticipated Appointment Start Date: August 1, 2023. 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 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, 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 the application process please email ORISE.CDC.NIOSH@orau.org and include the reference code for this opportunity.



Qualifications

The qualified candidate should have received a doctoral degree in one of the relevant fields (e.g. Analytical Chemistry, Microbiology, Environmental Health, Food Science, Agricultural Chemistry; emphasis on method development). Degree must have been received within the past five years.

Preferred Skills:

- Prior experience in developing analytical methods using HPLC-MS/MS or other analytical techniques (LC-MS/MS, LC, MS, GC-MS, etc.)

Eligibility Requirements

- **Degree:** Doctoral Degree received within the last 60 month(s).
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([3](#) )
 - **Mathematics and Statistics** ([2](#) )

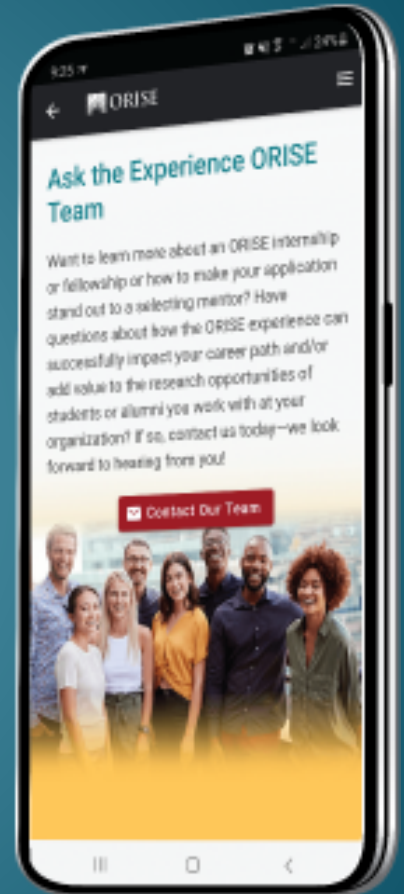
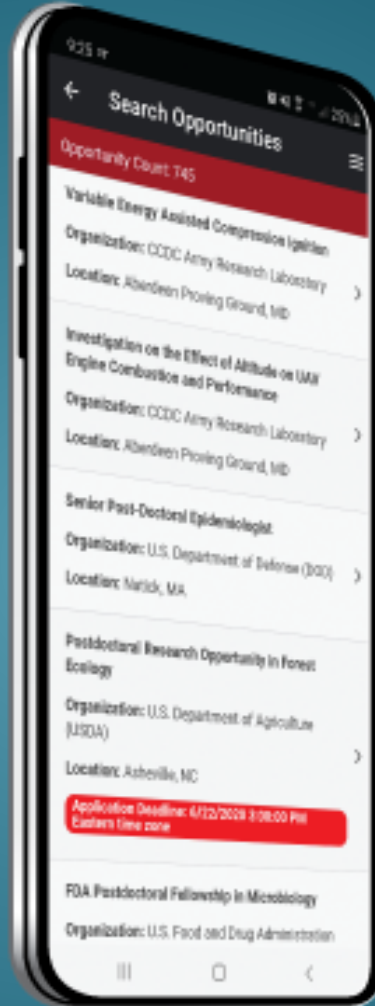
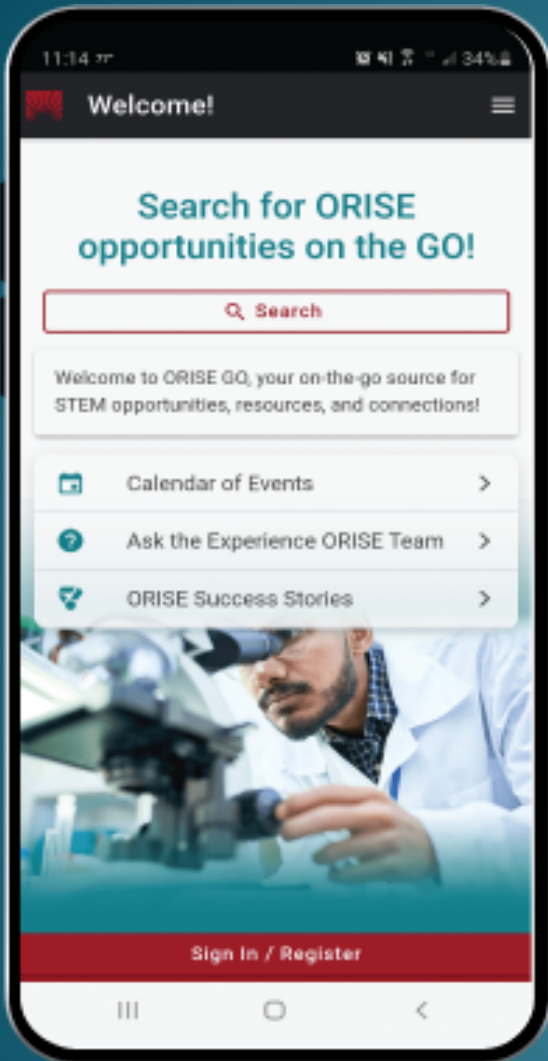
Affirmation

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.)



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