

Opportunity Title: CDC NIOSH Chemical Hazards Research - Occupational Exposure Banding
Opportunity Reference Code: CDC-NIOSH-2023-0055

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-NIOSH-2023-0055

How to Apply **Connect with ORISE...on the GO!** Download the new ORISE GO mobile app in the [Apple App Store](#) or [Google Play Store](#) to help you stay engaged, connected, and informed during your ORISE experience and beyond!

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 5/3/2023 3:00:00 PM Eastern Time Zone

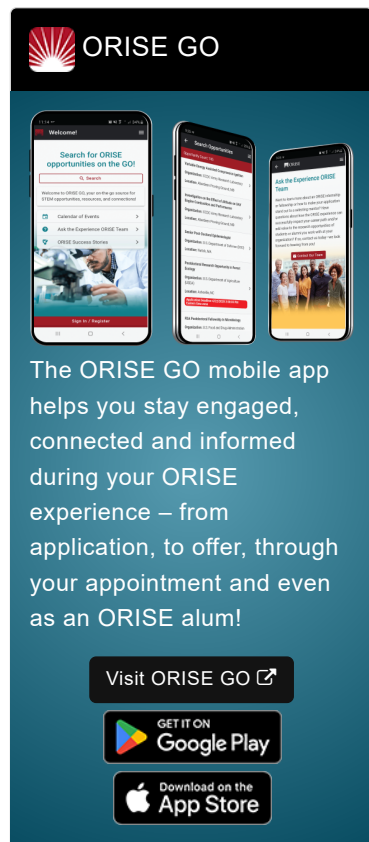
Description ***Applications will be reviewed on a rolling-basis.**

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 Cincinnati, Ohio.

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 National Institute for Occupational Safety and Health (NIOSH), part of the Centers for Disease Control and Prevention (CDC), has developed an Occupational Exposure Banding process to evaluate chemicals and assign them to categories based on the chemical potency and the adverse health outcomes associated with exposure. These categories are known as occupational exposure bands (OEBs). OEBs can be used by employers to make decisions to protect workers who may be exposed to hazardous chemicals.

Learning Objectives: Selected participant(s) will learn how to use the NIOSH Occupational Exposure Banding process and will have the opportunity to use the process to evaluate several chemicals. Participants



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can then choose from multiple projects:

1. Participant will collaborate with a mentor to collect and compile chemical hazard information from authoritative data sources and analyze the data to assign OEBs. The participant will have the opportunity to provide feedback on the process and brainstorm ways this information can be used in workplaces. The output of this project can be a poster, presentation, or publication describing the use of OEBs for workplace risk management.
2. Participant will collaborate with NIOSH Audio Visual Staff to develop promotional videos and training materials related to Occupational Exposure Banding. The participant will learn the essentials of communicating health information in multiple formats.
3. After learning the Occupational Exposure Banding Process, and in consultation with the mentor and other staff, the participant can propose a related project of interest to them.

Mentor(s): The mentor(s) for this opportunity is Melissa Edmondson (wqu9@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: Spring/Summer 2023. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be until August 30, 2023, 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

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code for this opportunity.

Qualifications The qualified candidate should be currently pursuing or have received an associate's, bachelor's, master's, or doctoral degree in one of the relevant fields. Degree must have been received within the past five years.

- Eligibility Requirements**
- **Degree:** Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree.
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) 👁)
 - **Communications and Graphics Design** ([6](#) 👁)
 - **Computer, Information, and Data Sciences** ([17](#) 👁)
 - **Earth and Geosciences** ([21](#) 👁)
 - **Engineering** ([27](#) 👁)
 - **Environmental and Marine Sciences** ([14](#) 👁)
 - **Life Health and Medical Sciences** ([48](#) 👁)
 - **Mathematics and Statistics** ([11](#) 👁)
 - **Other Non-Science & Engineering** ([2](#) 👁)
 - **Physics** ([16](#) 👁)
 - **Science & Engineering-related** ([2](#) 👁)
 - **Social and Behavioral Sciences** ([29](#) 👁)
 - **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).

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.)