Opportunity Title: CDC CLOSH Student Internship in Bioinformatics and Biostatistics
Opportunity Reference Code: CDC-NIOSH-2022-0135

Organization	Centers for Disease Control and Prevention (CDC)
Reference Code	CDC-NIOSH-2022-0135
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
- 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.

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	5/17/2022 3:00:00 PM Eastern Time Zone
Description	***Applications will be reviewed on a rolling-basis.**

CDC Office and Location: Two research opportunities are available at the National Institute for Occupational Safety and Health (NIOSH) in Cincinnati, Ohio, or 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.

Research Project: This research project involves assessing the potential occupational hazard or safety of engineered nanomaterials. The selected participant will train with NIOSH statisticians and toxicologists to learn statistical methods, tools, and platforms for compiling large databases and assessing data quality for use in quantitative risk assessment. Data may be from studies in toxicology, epidemiology, and/or material science of engineered nanomaterials.

Learning Objectives: The participant will have opportunities to learn about data analysis tools and software for analyzing and visualizing data, statistical modeling methods, and presenting findings to fellow students and NIOSH researchers.

Mentor(s): The mentor(s) for this opportunity is Jay Vietas (qsp2@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: May 2022. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for three months in the summer, 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 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.NIOSH@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should be currently pursuing or have received a bachelor's, master's, or doctoral degree in one of the relevant fields (e.g. Bioinformatics, Biostatistics, Computational Biology, Toxicology, Statistics, Chemistry, Environmental Health, Data Management, Computer Science, Information Science and Technology). Degree must have been received within five years of the appointment start date.

Preferred Skills:

- Course work and/or research experience in experimental design, biostatistics, bioinformatics, biology, toxicology, information technology, computer science, and related fields
- Data development and data analysis skills and experience
- Courses and/or experience using data management and statistical computing software such as Excel, R, SAS, and/or Matlab

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (2 👁)
  - **Computer, Information, and Data Sciences** (4 👁)
  - **Life Health and Medical Sciences** (8 👁)

- **Mathematics and Statistics** ([2](#) 👁)
- **Other Non-Science & Engineering** ([2](#) 👁)
- **Physics** ([2](#) 👁)