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Opportunity Title: CDC Bioinformatics and Biostatistics Internship
Opportunity Reference Code: CDC-NIOSH-2022-0049

Organization	Centers for Disease Control and Prevention (CDC)
Reference Code	CDC-NIOSH-2022-0049
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.

Application Deadline	1/24/2022 3:00:00 PM Eastern Time Zone
Description	***Applications will be reviewed on a rolling-basis.**

CDC Office and Location: A training opportunity in bioinformatics and biostatistics is currently available with the Division of Science Integration (DSI), within the National Institute for Occupational Safety and Health (NIOSH), at the Centers for Disease Control and Prevention (CDC) located in Cincinnati, Ohio or Morgantown, West Virginia.

Research Project: 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 sets include experimental data from toxicology and material science research on engineered nanomaterials.

Learning Objectives: The participant will have the opportunity to learn data analysis tools and software for analyzing and visualizing data, statistical modeling methods, and presenting findings to fellow students and NIOSH researchers.
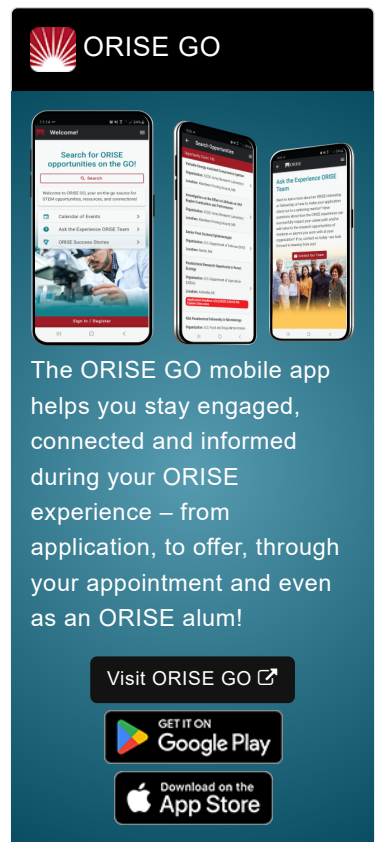
Mentor(s): The mentor for this opportunity is Dr. Eileen Kuempel (ekuempel@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: January 2022. Start date is flexible and will depend on a variety of factors.

Appointment Length: The appointment will initially be for eight months, but may be renewed upon recommendation of CDC and is contingent on the availability of funds.

Level of Participation: The appointment is part-time (10 hours per week) to full-time (40 hours per week) depending on academic schedule.

Participant Stipend: The participant will receive a monthly stipend commensurate with educational level and experience.

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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.

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. 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

- **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** (12 👁)
  - **Computer, Information, and Data Sciences** (4 👁)
  - **Life Health and Medical Sciences** (46 👁)
  - **Mathematics and Statistics** (10 👁)
  - **Other Non-Science & Engineering** (2 👁)
  - **Physics** (2 👁)
  - **Science & Engineering-related** (1 👁)