

Opportunity Title: CDC Biological Sciences Fellowship

Opportunity Reference Code: CDC-DFWED-2021-0078

Organization Centers for Disease Control and Prevention (CDC)

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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
- One educational or professional recommendation

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

Application Deadline 4/23/2021 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 PulseNet Outbreak Detection and Surveillance Unit (PODSU), in the Enteric Diseases Laboratory Branch, in the Division of Foodborne, Waterborne, and Environmental Diseases (DFWED), National Center for Emerging and Zoonotic Infectious Diseases (NCEZID) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

Research Project: PulseNet, the National Molecular Subtyping Network for Foodborne Disease Surveillance, facilitates investigations of foodborne disease outbreaks and early identification of foodborne disease clusters. Participating PulseNet laboratories sequence foodborne pathogens (Salmonella, Escherichia, Campylobacter, Listeria, and Vibrio) and share the sequence data electronically with CDC. Sequence data is used for national cluster detection, outbreak investigations, identification of the source of outbreaks, and characterization (species identification, serotyping, virulence determination, and resistance profiling) of foodborne pathogens. Please refer to www.cdc.gov/pulsenet for more information.

Learning Objectives:

- Curating and managing data in the PulseNet national databases
- Performing routine analysis of sequence data from PulseNet Participants, using customized software (BioNumerics)
- Actively participating in the detection and management of foodborne disease clusters
- Collaborating with epidemiologists in the investigation and control of foodborne outbreaks
- Participating in the presentation of PulseNet information to a variety of audiences
- Learning about other skills which include but are not limited to: verbal and written communications with clients, production of marketing materials, QA/QC, data summary reports, etc.

Mentor(s): The mentor for this opportunity is Kelley Hise (kpb6@cdc.gov). If you have questions about the nature of the research please contact the mentor(s).

Anticipated Appointment Start Date: April or May 2021. Start date is flexible and will depend on a variety of factors.



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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.







Questions: Please visit our [Program Website](#). After reading, if you have additional questions about the application process please email ORISE.CDC.NCEZID@orau.org and include the reference code for this opportunity.

Qualifications The qualified candidate should have received a bachelor's degree in one of the relevant fields. Degree must have been received within five years of the appointment start date.

Preferred skills:

- Comfortable working with computers
- Working knowledge of Microsoft Excel, Access, PowerPoint, and Word
- Excellent organization and record-keeping skills

Eligibility Requirements

- **Degree:** Bachelor's Degree received within the last 60 month(s).
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Earth and Geosciences** ([21](#) )
 - **Environmental and Marine Sciences** ([14](#) )
 - **Life Health and Medical Sciences** ([46](#) )
 - **Mathematics and Statistics** ([10](#) )
 - **Social and Behavioral Sciences** ([28](#) )