

Opportunity Title: CDC Viral Hemorrhagic Fevers Virus Host Ecology

Fellowship

Opportunity Reference Code: CDC-NCEZID-DHCPP-2022-0321

Organization Centers for Disease Control and Prevention (CDC)

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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 11/30/2022 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 in the Viral Special Pathogens Branch (VSBP) within the National Center for Zoonotic and Emerging Infectious Diseases (NCEZID) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

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: A research opportunity is currently available in the Viral Special Pathogens Branch (VSBP) within the National Center for Zoonotic and Emerging Infectious Diseases (NCEZID) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia. The selected participant will be a part of the Virus Host Ecology Team, which is responsible for research involving zoonotic viruses including filoviruses, henipaviruses, hantaviruses, bunyaviruses and arenaviruses. Under the guidance of the mentor, the participant will learn and contribute to ecological research on hemorrhagic fever viruses, perform domestic and international field work, diagnostic and pathogen discovery laboratory work, and collaborate with laboratory and epidemiological staff across the CDC as well as with international collaborators.



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Learning Objectives: Specific learning research opportunities will focus on the development of small mammal trapping and handling, sample collection and management, and laboratory techniques involving zoonotic viruses including filoviruses, hantaviruses, bunyaviruses, arenaviruses and henipaviruses. These opportunities may include: - learning small mammal trapping techniques and field work coordination and planning - learning field and laboratory necropsy procedures - learning field and laboratory safety - learning captive breeding colony management - learning laboratory diagnostic and pathogen discovery techniques - learning biosafety level (BSL and ABSL) 3 and 4 laboratory practices and regulations

Mentor(s): The mentors for this opportunity are Brian Amman (cxx1@cdc.gov) and Jonathan Towner (jit8@cdc.gov). Please contact them if you have questions about the nature of this research.

Anticipated Appointment Start Date: June 5, 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

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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 doctoral degree in one of the relevant fields, or be currently pursuing the degree and will reach completion by June 30, 2023. Degree must have been received within five years of the appointment start date.

Preferred Skills:

- Experience at biosafety level 2, 3, or 4
- Experience in molecular virological techniques
- Strong interest in, or experience with field work
- Interest or experience in pathogen discovery and disease ecology

Eligibility Requirements

- **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 6/30/2023 11:59:00 PM.
- **Discipline(s):**
 - **Life Health and Medical Sciences** (6 )

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.)