

**Opportunity Title:** CDC Laboratory Animal Training Fellowship

**Opportunity Reference Code:** CDC-NCEZID-2022-0144

**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** 5/30/2022 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 Division of High Consequence Pathogens and Pathology (DHCPP) Poxvirus and Rabies Branch (PRB) within the National Center for Zoonotic and Emerging Infectious Diseases (NCEZID) at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

**Research Project:** The selected participant will focus on being trained to support all aspects of animal challenge studies within the PRB. The fellow will be trained to support all areas of animal challenge work within the branch, including preparation of supplies necessary for conducting in vivo research, animal sampling during challenge studies, performing necropsies and processing samples, as well as trained to perform molecular assays to confirm presence of virus and for determination of immune response following infection (real-time PCR, tissue culture, ELISA for determination of immune response, Western Blot, DFA, and RFFIT assays), as well as other miscellaneous assays as necessary to fully understand the animal challenge study results.

The participant may also assist in supporting the VHMI teams' critical in vitro research as needed. The fellow may be trained to perform diagnostic assays, as well as help with research goals designed to better understand the pathogenicity of orthopoxviruses and lyssaviruses and will learn to test the efficacy of next-generation medical countermeasures against a viral infection in vitro. Standard in vitro methods will be taught, such as real-time PCR, DFA, tissue culture for determination of



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viable virus, ELISA or RFFIT for determination of immune response, and Western Blot. There will be additional duties expected, such as helping with preparation of work material for other laboratory experiments. This would include, but is not limited to, learning to plate tissue culture cells, making dilutions, making media, preparing reagents and upkeep/inventory with the weekly maintenance of equipment, laboratory space and/or laboratory supplies.

**Learning Objectives:** From experience gained during this appointment, the selected fellow will learn viral in vitro techniques, specialized molecular assays, and in vivo challenge techniques.

**Mentor(s):** The mentor(s) for this opportunity is Brett Petersen ([ige3@cdc.gov](mailto:ige3@cdc.gov)). Please contact them if you have questions about the nature of this research.

**Anticipated Appointment Start Date:** April 2022. 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 and Lawful Permanent Residents (LPR).

**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.NCEZID@ornl.gov](mailto:ORISE.CDC.NCEZID@ornl.gov) and include the reference code for this opportunity.

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**Qualifications** The qualified candidate should have received a bachelor's degree in one of the relevant fields (e.g. Biology, Animal Sciences). Degree must have been received within five years of the appointment start date.

Preferred skills:

- Familiarity with basic computer programs such as Excel and Power Point
- Experience with laboratory animal care and techniques
- Experience with laboratory imaging and other animal clinical care tasks would be advantageous
- Basic laboratory skills such as cell culture
- Excellent problem-solving skills
- Proven to be highly motivated, detail-oriented, and able to follow supervisor's instructions
- Excellent organizational and interpersonal skills

**Eligibility Requirements**

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Bachelor's Degree received within the last 60 month(s).
- **Academic Level(s):** Post-Bachelor's.
- **Discipline(s):**
  - **Life Health and Medical Sciences** (5 )