

Opportunity Title: CDC COVID-19 Molecular Pathology Fellowship

Opportunity Reference Code: CDC-IDPB-2020-0139



Organization Centers for Disease Control and Prevention (CDC)

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How to Apply 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.NCEZID@orau.org. Please include the reference code for this opportunity in your email.

Application Deadline 7/17/2020 3:00:00 PM Eastern Time Zone

Description *Applications will be reviewed on a rolling-basis.

A research opportunity is currently available in the Infectious Diseases Pathology Branch (IDPB) within the National Center for Emerging and Zoonotic Infectious Diseases (NCEZID) at the Centers for Disease Control and Prevention in Atlanta, Georgia.

IDPB is the primary CDC program to provide tissue-based diagnosis of infectious diseases by conducting laboratory studies including histopathologic and molecular evaluation of fixed tissue specimens. IDPB has an ongoing and important role in the response to outbreaks and case investigations of public health importance and is currently involved in the COVID-19 response efforts.

IDPB is seeking a participant to join the Molecular Pathology Team. The participant will be trained to test the tissue specimens from the suspect or confirmed COVID-19 cases submitted to IDPB for diagnostic testing.

The participant will gain experience by receiving training and helping in specialized molecular pathology techniques/assays, including:

- RNA extraction from formalin-fixed, paraffin embedded tissues using manual and automated tissue extractions
- Tissue-based real-time and conventional RT-PCR assays
- In-situ hybridization (ISH) assays
- Sectioning of paraffin-embedded tissue blocks for PCR and ISH
- Various sequencing techniques, including pyrosequencing and NGS
- Training to use various sequence analysis software
- To maintain laboratory records of experiments and results and preparing standard operating protocols
- To prepare inventories for specimens, ordering/maintenance of supplies
- To perform review of literature and assist in data compilation and preparation of manuscripts

The training will be provided under the guidance of the Molecular Pathology Team Lead. In addition, the participant will also have opportunities to attend IDPB case review sessions, CDC seminars, training courses and DHCPP seminars to enhance knowledge in microbiology/biological sciences and public health.

This program, administered by ORAU through its contract with the U.S. Department of Energy to manage the Oak Ridge Institute for Science and Education, was established through an interagency agreement between DOE and CDC. The initial appointment can be up to one year, but may be renewed upon recommendation of CDC contingent on the availability of funds. The participant will receive a monthly stipend commensurate with educational level and experience. Proof of health insurance is required for participation in this program. The appointment is full-time at CDC in the Atlanta, Georgia, area. Participants do not become employees of CDC, DOE or the program administrator, and there are no employment-related benefits.

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Qualifications

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

Preferred skills:

- Experience in tissue-based molecular techniques and tissue sectioning
- Additional experience and proficiency in sequence and data analysis software, scientific database search tools and reference management programs

Eligibility Requirements

- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 month(s).
- **Discipline(s):**
 - **Environmental and Marine Sciences** (1 )
 - **Life Health and Medical Sciences** (45 )