

Opportunity Title: Influenza Virology Fellowship
Opportunity Reference Code: CDC-ID-2018-0096

Organization Centers for Disease Control and Prevention (CDC)

Reference Code CDC-ID-2018-0096

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
- Two educational or professional references

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

If you have questions, send an email to CDCrpp@orau.org. Please include the reference code for this opportunity in your email.

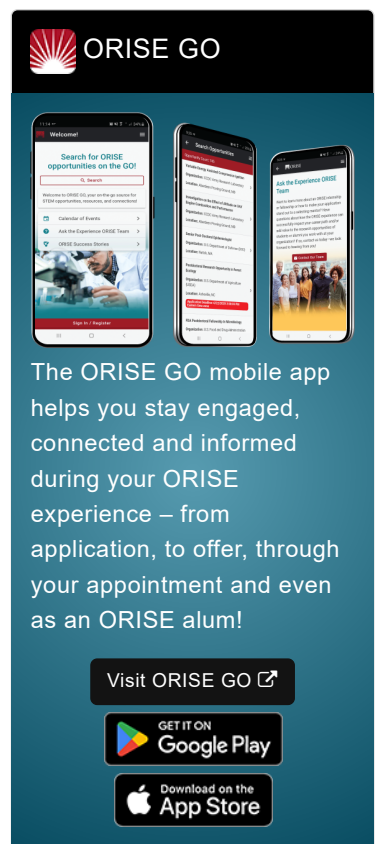
Description An opportunity is available with the Vaccine Preparedness Team of the Influenza Division at the Centers for Disease Control and Prevention (CDC) in Atlanta, Georgia.

The successful candidate will join a team focused on influenza vaccine research and development, and will assist in the development of new approaches to generate and improve influenza vaccine candidate viruses in compliance with the Food and Drug Administration (FDA) good laboratory practices (GLP) standards and World Health Organization (WHO) recommendations. The candidate will work closely with the Team Lead and collaborators on study design, data interpretation, manuscript writing and present research at regional and national conferences.

This fellow may have the opportunity to be involved in the following activities:

- Preparation of influenza vaccines in compliance with GLP guidelines
- Develop new strategies for improving influenza vaccine immunogenicity, stability and antigen yield in eggs
- Develop new methods or systems to improve efficiency of influenza virus rescue by reverse genetics
- Conduct influenza genomic sequencing, analyze and interpret the data
- Conduct comprehensive structural and functional analysis of the immunogenic properties of influenza viruses
- Conduct vaccine safety evaluations in small animal models (mice and ferrets) in Biosafety Level 2 & 3 laboratories
- Establish and maintain ties with a broad range of epidemiological and laboratory researchers inside and outside of CDC

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 is for 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



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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.

- Qualifications**
- PhD degree in a biological science with emphasis in virology or infectious disease, earned within the past five years, is required.
 - Experience in molecular virology, including culturing of virus isolates and purification, genomic amplification and sequencing of viral RNA, cloning and reverse genetics rescue of virus is preferred
 - Previous laboratory experience, including microbiologic and virologic techniques performed in compliance with biosafety regulations, is preferred.
 - Experience working with virus rescue, isolation, propagation, titration, and genomic amplification (RT-PCR) desirable
 - Experience working in BSL-2e or higher BSL conditions is desirable
- Eligibility Requirements**
- **Degree:** Doctoral Degree received within the last 60 month(s).
 - **Discipline(s):**
 - **Life Health and Medical Sciences** ([6](#) )