

Opportunity Title: Immunology / Virology Post-Doctoral Fellowship at USAMRIID

Opportunity Reference Code: USAMRIID-2023-0004

Organization U.S. Department of Defense (DOD)

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How to Apply Click on *Apply* at the bottom of the opportunity to start your application.

Description The U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID) is offering an internship opportunity for post-doctorate's degree individuals seeking experience in the area of vaccines, therapeutic development, and pathogenesis for emerging infectious diseases.

What will I be doing?

As an ORISE participant, you will participate in investigations leading to an understanding of mechanisms of replication, antigenic structures, correlates of protection, and virulence properties of highly pathogenic human viruses, with the ultimate goal of preventing and treating diseases. Current efforts include (1) developing vaccines targeting bunyaviruses (2) identifying correlates of host immunity against bunyaviruses (2) elucidating mechanism(s) of innate immune response antagonism by hemorrhagic fever viruses (3) identifying virus and host factors contributing to virulence; and, (4) discovering novel antivirals and immunotherapeutics for hemorrhagic fever viruses. BSL2, BSL3, and BSL4 containment laboratories are used as required to conduct these studies.

Why should I apply?

Under the guidance of a mentor, you will gain hands-on experience to complement your education and support your academic and professional goals. Along the way, you will engage in activities and research in several areas. These include but are not limited to:

- Gaining experience in a variety of research areas; including, virology, immunology, pathology and molecular biology.
- Learning from experienced scientists and acquiring essential skills of study design, wet/dry laboratory, data analysis, results interpretation, and presentation of research discoveries.

What is the anticipated start date?

The USAMRIID is ready to make appointments immediately. Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and internships or fellowships will be filled as qualified candidates are identified.

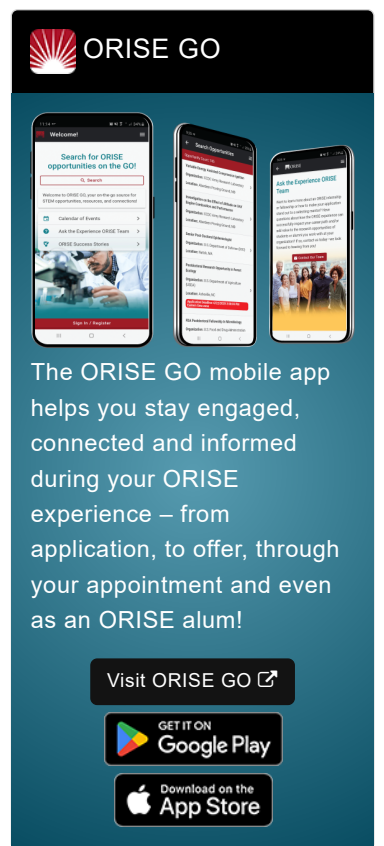
What is the appointment length?

This appointment is a twelve-month research appointment, with the possibility to be renewed for additional research periods. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

What are the benefits?

You will receive a stipend to be determined by USAMRIID. Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

- Health Insurance Supplement (*Participants are eligible to purchase health insurance through ORISE*)
- Training and Travel Allowance



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About USAMRIID

USAMRIID's reputation has been built over the years by numerous scientists and technical staff working to protect both military personnel and civilians from the threat of infectious diseases. The Institute participates in support of emerging disease investigations, working alongside colleagues from the Centers for Disease Control and Prevention and the World Health Organization. As a reference laboratory for the Department of Defense, USAMRIID (Fort Detrick, Maryland) sets the standard for identification of biological agents. The Institute's workforce represents some of the top infectious disease and biological defense experts in the Nation—indeed, in the world. For more information about USAMRIID, please visit: <https://usamriid.health.mil/>

About ORISE

This program, administered by Oak Ridge Associated Universities (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 DoD. Participants do not enter into an employee/employer relationship with ORISE, ORAU, DoD or any other office or agency. Instead, you will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE. For more information, visit the [ORISE Research Participation Program at the U.S. Department of Defense](#).

Qualifications The qualified candidate will have a doctoral degree in related biological science majors: immunology, and/or virology, and/or entomology.

Highly competitive applicants will have laboratory experience in adaptive immunology and virology, in addition to experience in BSL3.

The researcher will conduct research that requires the individual to obtain and hold Biological Personnel Reliability Program (BPRP) enrollment pursuant to the requirements of the Army Biological Surety Program. Individuals must maintain a current certification of enrollment in the BPRP as a condition of eligibility for continued participation. The BPRP is a suitability and reliability program operated by the agency and requires the participant to submit to and satisfactorily complete suitability and reliability screening and analysis. The participant must maintain the standards prescribed for the Army Biological Surety Program. As a condition of participation, participants in this appointment must also be approved by the Department of Health and Human Services and the Department of Justice for access.

Application Requirements

A complete application consists of:


- Zintellect Profile
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. [Click here for detailed information about acceptable transcripts.](#)
- One Recommendation

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If you have questions, send an email to ARMY-MRMC@orise.orau.gov. Please list the reference code of this opportunity [USAMRIID-2023-0004] in the subject line of the email.

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- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Doctoral Degree received within the last 60 month(s).
 - **Discipline(s):**
 - **Life Health and Medical Sciences** ([3](#) )