

Opportunity Title: Post-Doctoral Research Fellowship in Viral Immunology

Opportunity Reference Code: USAMRIID-2025-0008

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 Department of Defense (DoD) is offering a post-doctoral fellowship at the U.S. Army Medical Research and Development Command - Medical Research Institute of Infectious Diseases (USAMRDC MRIID).

What will I be doing?

The Viral Immunology Branch at the U.S. Army Medical Research Institute of Infectious Diseases (USAMRIID) is offering a fellowship opportunity for recent post-doctoral candidates (within two years of degree completion) seeking experience in the areas of host-virus interactions, therapeutic and vaccine development, and immunological correlates of protection. As an ORISE fellow, you will join a collaborative research team focused on high-consequence viral families, including filoviruses, paramyxoviruses, nairoviruses, coronaviruses, alphaviruses, and hantaviruses. Fellows will participate in research within high-containment BSL-3 and BSL-4 laboratories utilizing a wide range of techniques such as in vitro and in vivo infection models, high throughput spectral flow cytometry, microneutralization, immuno-depletion and multiplex immunoassays. Our projects rely on successful partnerships with collaborators across academia and government, as well as the private sector from all over the world.

Why should I apply?

This fellowship offers a unique opportunity to gain experience at the forefront of infectious disease research at USAMRIID, the nation's leading institution for medical biological defense. By joining this program, you will:

- Gain valuable hands-on experience: Participate directly in high-containment BSL-3 and BSL-4 laboratories, utilizing cutting-edge in vitro and in vivo techniques.
- Collaborate across sectors: Engage in projects involving partnerships with government, industry, and academia, contributing to impactful research that addresses global health challenges.
- Expand your expertise: Interact with a broad research portfolio that includes therapeutics and vaccine development, host-virus interactions and defining immunological correlates of protection.
- Be part of a dynamic and supportive team: You will research alongside individuals who are deeply committed to advancing solutions for high-consequence viral pathogens, fostering an environment where your contributions are valued and your growth is encouraged.

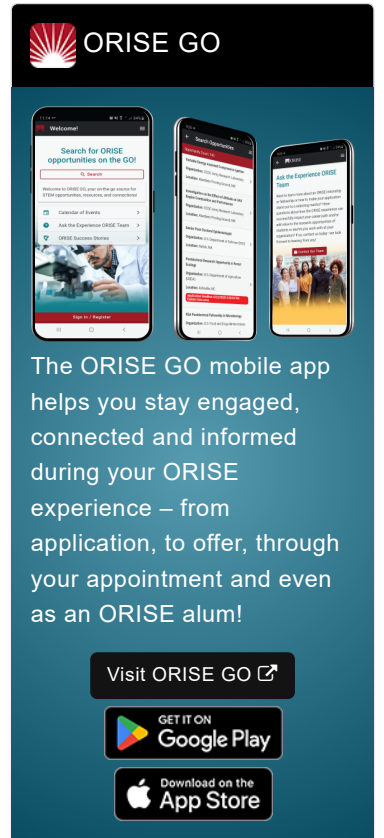
This fellowship is ideal for enthusiastic, team-oriented individuals eager to learn and make meaningful contributions to the field of emerging infectious diseases.

Where will I be located?

Frederick, Maryland

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



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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 of being 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 provisions?

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 provisions may include the following:

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

Security Clearance

While participants will not enter into an employment relationship with DoD or any other agency, this opportunity will require a suitability investigation/background investigation. Any offer made is considered tentative pending favorable outcome of the investigation.

The fellow 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. 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 (to include federal drug screening). 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.

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 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.

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

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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 Qualified candidates will have completed a doctoral degree within 24 months of the appointment start date, with experience in experimental design, strong multitasking abilities, excellent communication and organization skills, and scientific writing skills. Highly competitive applicants will be enthusiastic, team-oriented, and passionate about contributing to impactful research.

Preferred skills include immunological/virological assays (e.g. ELISAs, neutralization assays, plaque assays, IFAs, real-time PCR, viral propagation), immunological/virological assays (e.g. ELISAs, neutralization assays, plaque assays, IFAs, real-time PCR, viral propagation), and spectral flow cytometry experimental design, implementation and analysis (e.g. Flowjo or FACSEXPRESS). Experience with ex vivo/in vitro blood brain barrier models is desired.

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 - Please upload a copy of a transcript for your current or most recent degree program that meets the disciplinary qualifications of the opportunity. [Click here for detailed information about acceptable transcripts](#).
- Two Recommendations. We encourage you to contact your recommenders as soon as you start your application to ensure they are able to complete the recommendation form and to let them know to expect a message from Zintellect. Recommenders will be asked to rate your scientific capabilities, personal characteristics, and describe how they know you. You can always log back in to your Zintellect account and check the status of your application.

If you have questions, send an email to ARMY-MRMC@orise.orau.gov. Please list the reference code of this opportunity [USAMRDC-MRIID-2025-0008] in the subject line of the email. Please understand that ORISE does not review applications or select applicants; selections are made by the sponsoring agency identified on this opportunity. All application materials should be submitted via the "Apply" button at the bottom of this opportunity listing. Please do not send application materials to the email address above.

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!

Point of Contact [Kimberly](#)

- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Doctoral Degree received within the last 24 month(s).
 - **Discipline(s):**
 - **Life Health and Medical Sciences** ([4](#) )