

Opportunity Title: USAMRICD Doctoral Research in Chemical Defense

Opportunity Reference Code: MRDC-MRICD-2024-0006

Organization U.S. Department of Defense (DOD)

Reference Code MRDC-MRICD-2024-0006

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

Description The Department of Defense (DoD) is offering Doctoral fellowships at the U.S. Army Medical Research Institute of Chemical Defense (USAMRICD).

What will I be doing?

The applicant will collaborate as part of a multi-disciplinary team endeavoring to discover, evaluate, and advance our understanding of threats, their mechanism(s) of injury, and potential mitigation strategies. One focus will be medical countermeasures capable of providing safe and effective prophylaxis and/or treatment against these diverse threats. As a part of the mission, threats and therapies must be evaluated behaviorally, biochemically, and physiologically in a diversity of animal species, often including rodents, swine, and nonhuman primates.

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,

- Collecting sensitive behavioral and physiological data to comprehensively evaluate functional efficacy and safety.
- Predicting human health impacts is a key goal, and behavioral, physiological, and biochemical changes will be closely examined using a tiered approach to reach programmatic goals for each specific threat.

As the selected candidate, you should be capable and willing to participate in many aspects of this program of research in the context of an immersive, full-time educational science internship to advance the mission of the USAMRICD by engaging in behavioral, physiological, kinetic, and pharmacology/toxicology studies in diverse mammalian species.

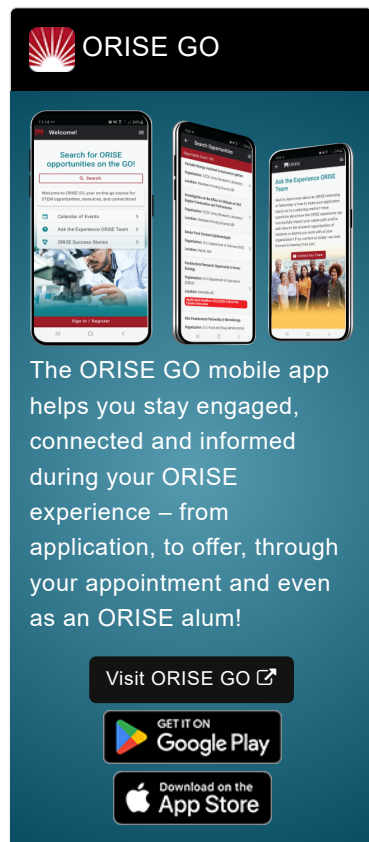
Where will I be located? Edgewood, Maryland

What is the anticipated start date?

The USAMRICD 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



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rules, and availability of the participant.

What are the benefits?

You will receive a stipend to be determined by USAMRICD. The stipend for this appointment is estimated to be \$80,000 for 12 months. 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*)
- Relocation Allowance
- Training and Travel Allowance

About USAMRICD

The U.S. Army Medical Research Institute of Chemical Defense (USAMRICD) is the Department of Defense's lead laboratory for medical chemical defense research. As a subordinate element of the U.S. Army Medical Research and Materiel Command (USAMRMC), the institute conducts research for development of medical countermeasures to treat exposure to various chemical threat agents for protection of soldiers and civilians. Scientific disciplines at USAMRICD include, but are not limited to, chemistry, biology, biochemistry, pharmacology, molecular biology, neuroscience, toxicology, physiology, psychology, and immunology.

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 be currently pursuing or will have a Doctoral degree in Pharmacology, Physiology, Animal Science, Psychology, Toxicology or closely related discipline. Degree must have been received within five years of the appointment start date. U.S. military veterans who have been honorably discharged (or who have been medically discharged because of a service-connected disability) and who received a Doctoral degree within ten years of the desired start date are also eligible.

Highly competitive applicants will have education and/or experience in one or more of the following:

- Will have direct hands-on experience conducting behavioral, physiological, and pharmacological research.
- Excellent communication skills, and initiative.

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- Willing to work with large animals (such as swine and monkeys) in a toxicology research setting.

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.](#)
- Two Recommendation(s). Your application will be considered incomplete and will not be reviewed until two recommendation(s) are submitted. We encourage you to contact your recommender(s) 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 [MRDC-MRICD-2024-0006] 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.

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Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 12/31/2024 11:59:00 PM.
- **Discipline(s):**
 - **Life Health and Medical Sciences** ([4](#) )
 - **Social and Behavioral Sciences** ([1](#) )
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).