

Opportunity Title: USAMRICD Physiology, Pharmacology, and Behavior Studies
in Chemical Defense (all educational levels)

Opportunity Reference Code: MRDC-MRICD-2024-0011

Organization U.S. Department of Defense (DOD)

Reference Code MRDC-MRICD-2024-0011

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

Description The Department of Defense (DoD) is offering all educational level research-based internships or fellowships at the U.S. Army Medical Research and Development Command (USAMRDC) - Medical Research Institute of Chemical Defense (MRICD).

What will I be doing?

As an ORISE participant, you will join a community of scientists and researchers in an effort to 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, particularly medical countermeasures capable of providing safe and effective prophylaxis and/or treatment against these diverse threats.

Why should I apply?

Under the guidance of a mentor, you will gain hands-on experience to 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:

- Evaluation of threats and therapies behaviorally, biochemically, and physiologically in a diversity of animal species, often including rodents, swine, and nonhuman primates.
- Collection of sensitive behavioral and physiological data to comprehensively evaluate functional efficacy and safety.
- Prediction and examination of human health impacts including behavioral, physiological, and biochemical changes using a tiered approach to reach programmatic goals for each specific threat.
- Engagement in program research to advance the mission of the USAMRICD through behavioral, physiological, kinetic, and pharmacology/toxicology studies in diverse mammalian species.

Where will I be located?

Aberdeen Proving Ground, Maryland

What is the anticipated start date?

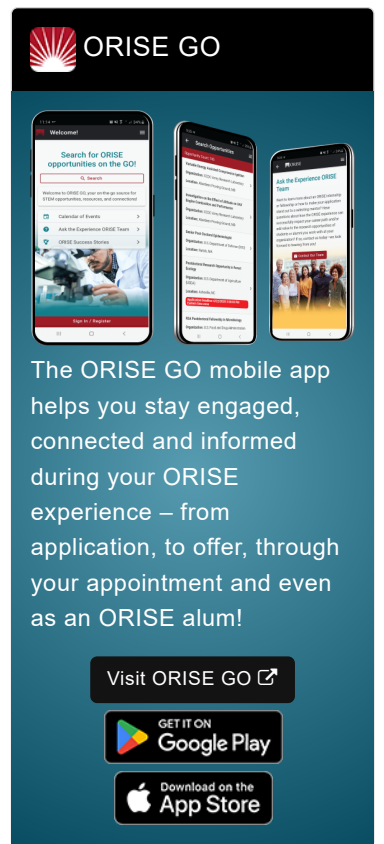
The USAMRICD is ready to make appointments immediately. Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and internships or fellowships will be filled as qualified candidates are identified.

What is the appointment length?

This is a full-time, 12-month appointment. 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 USAMRICD. Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. Other



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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. For more information about the USAMRICD, please visit [Home at MRDC - USAMRICD \(health.mil\)](#). For specific opportunity questions, please contact Todd Myers at Todd.M.Myers14.civ@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 be pursuing or have received an Associate's, Bachelor's, Master's or Doctoral degree in a STEM or closely related field. 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 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:

- Experience conducting behavioral, physiological, and/or pharmacological research, or willing to learn these skills.
- Excellent communication and initiative are required.
- Willing to conduct research activities involving 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

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- 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 Recommendations. Your application will be considered incomplete and will not be reviewed until two recommendations are submitted. 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 [<<reference code>>] 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:** High School Diploma/GED, Associate's Degree, Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
- **Overall GPA:** 2.80
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Earth and Geosciences** ([21](#) )
 - **Engineering** ([27](#) )
 - **Environmental and Marine Sciences** ([14](#) )
 - **Life Health and Medical Sciences** ([51](#) )
 - **Mathematics and Statistics** ([11](#) )
 - **Physics** ([16](#) )
 - **Social and Behavioral Sciences** ([30](#) )
- **Age:** Must be 18 years of age
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).