Opportunity Title: Postdoctoral Military Performance Research Fellowship
Opportunity Reference Code: USAMRDC-RIEM-2023-0001

Organization U.S. Department of Defense (DOD)

Reference Code USAMRDC-RIEM-2023-0001

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

Description The United States Army Research Institute of Environmental Medicine (USARIEM) is offering a currently pursuing or degree-received doctoral fellowship in Natick, Massachusetts.

What will I be doing?

As an Oak Ridge Institute for Science and Education (ORISE) participant, you will join a community of scientists and researchers in an effort to participate in collaborative research studies focused on Arctic Warfighter performance optimization and cold physiology. These studies seek to characterize the physiological responses of dismounted troops to combined thermal and metabolic strain and develop new methods for predicting physiological impacts, performance decrements, and cold injuries. Additionally, you will conduct research examining human physical and cognitive performance in cold environments. You will conduct environmental chamber and field studies on human volunteers to develop a) strategies to minimize the adverse consequences (performance and health) in cold-weather environments and b) cold-weather guidance for military operations.

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. You will also engage in activities and research in several areas. These include, but are not limited to,

- Gain knowledge, skills, and abilities related to exercise thermophysiology, writing peer review journal publications, and advanced data analysis and predictive modeling.
- Obtain valuable educational experience by learning about human research policies and procedures, data collection/storage/entry, and research team development.

Where will I be located?

Natick, Massachusetts

What is the anticipated start date?

USAMRDC RIEM wants to make appointment selections by June 6, 2023. 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 12-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 participant availability.

What are the benefits?

You will receive a stipend to be determined by USAMRDC RIEM. 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*

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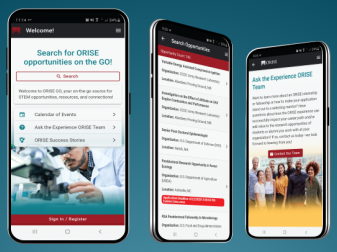
ORISE GO



The ORISE GO mobile app helps you stay engaged, connected and informed during your ORISE experience – from application, to offer, through your appointment and even as an ORISE alum!

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ORISE)

- Relocation Allowance
- Training and Travel Allowance

About USARIEM

USARIEM was established in 1961 as a research laboratory under the U.S. Army Medical Research and Development Command (now USAMRMC). USARIEM is internationally recognized as the DoD's premier laboratory for Warfighter health and performance research and focuses on environmental medicine, physiology, physical and cognitive performance, and nutrition research. Military guidance has been published for operations in heat, cold and high-altitude environments and nutrition for health and performance. The Institute is organized into five divisions: Biophysics and Biomedical Modeling, Military Performance, Military Nutrition, Thermal and Mountain Medicine, and Research Support. By leveraging its unique capabilities and facilities with industry, academia, and the government, USARIEM produces a variety of important products, including performance optimization doctrine, preventive medicine and planning doctrine, material development support, physiological monitoring strategies, predictive algorithms, and Health Hazard Assessments.

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

Candidates should have earned or be on track to earn a doctoral degree in exercise science, health sciences, or a related field.

US Citizenship is required.

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

- A strong background in integrative/systems physiology
- Basic Microsoft Office software skills and experience with human data collection
- Ideally, candidates should have experience with laboratory procedures such as exercise tests (e.g., VO2max, 1-repetition maximum), metabolic measurement systems, heart rate monitoring, body composition, and thermometry.

Application Requirements

A complete application consists of the following:

- 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

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recent degree program that meets the disciplinary qualifications of the opportunity. Click here for detailed information about acceptable transcripts.

- One Recommendation. Your application will be considered incomplete and will not be reviewed until one recommendation is submitted. We encourage you to contact your recommender as soon as you start your application to ensure they can complete the recommendation form and to inform them to expect a message from Zintellect. Recommenders will be asked to rate your scientific capabilities and personal characteristics and describe how they know you. You can always log back into your Zintellect account and check the status of your application.

If you have questions, send an email to ARMY-MRMC@orise.orau.org. Please list the reference code of this opportunity, USAMRDC-RIEM-2023-0001, in the email's subject line. 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!

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 5/31/2023 12:00:00 AM.
- **Discipline(s):**
  - **Life Health and Medical Sciences** (48 👁)
  - **Social and Behavioral Sciences** (28 👁)
- **Age:** Must be 18 years of age