

Opportunity Title: Research Physiologist Fellow for the Military Performance
Division- Post MS or Pursuing PhD
Opportunity Reference Code: USAMRDC-RIEM-2024-0007

Organization U.S. Department of Defense (DOD)

Reference Code USAMRDC-RIEM-2024-0007

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

Description The U.S. Army Research Institute of Environmental Medicine (USARIEM), a subordinate laboratory of the U.S. Army Medical Research and Development Command (USAMRDC), is an internationally recognized center of excellence for Warfighter performance science and its useful applications. The Institute functions as a world-class laboratory for environmental medicine, physiology, performance and nutrition research. It features integrated cellular, tissue, & human research programs. Fellowship will be in the Military Performance Division, whose goal is to conduct research to enhance the performance of military occupational tasks and to prevent performance decrements due to physical overload and musculoskeletal injuries.

What will I be doing?

The Military Performance Division (MPD) is offering a postdoctoral fellowship studying bone physiology and how it relates to the prevention, treatment, and recovery of bone stress injuries. The interests of the bone program within the MPD are to 1. investigate methods for optimizing inherent physiology to maximize positive bone adaptations to mechanical loading, 2. enhance our understanding of the pathophysiology of bone stress injuries, and 3. determine and implement interventions to mitigate risk for bone stress injuries during U.S. Army Basic Combat Training.

Why should I apply?

The postdoctoral fellow will have the opportunity to gain research skills in study conceptualization and design, study implementation, data organization, data analysis, data interpretation, and data dissemination in a military environment. As an ORISE postdoctoral fellow, the candidate will have an opportunity to gain authorship on scholarly articles as well as attend and present data at scientific conferences.

Where will I be located?

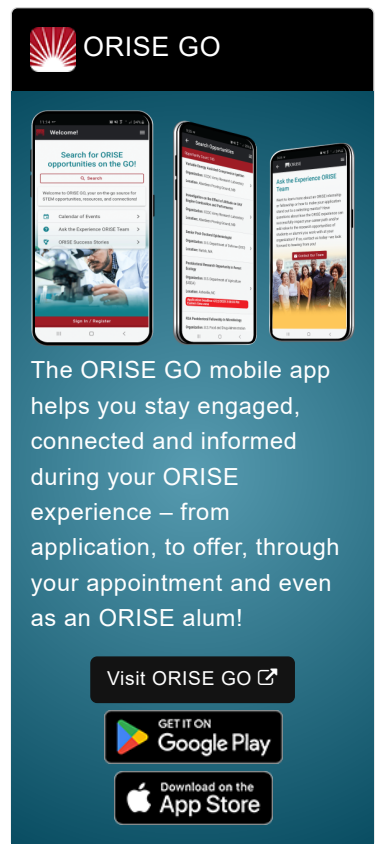
Natick, Massachusetts (Some travel to US Army and Marine bases for data collection may be required). Travel may be up to ~25%.

What is the anticipated start date?

This is a full-time, 12-month appointment anticipated to begin in early 2024; exact start dates will be determined at the time of selection and in coordination with the selected candidate.


Appointment Length


Appointments may be extended depending on funding availability, project assignment, program rules, and participant availability.




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What are the benefits?

You will receive a stipend to be determined by the Department of Defense (DoD). 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

Nature of Appointment

The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOD, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

About USARIEM

The U.S. Army Research Institute of Environmental Medicine (USARIEM), in Natick, Massachusetts, is 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 has four divisions: Military Nutrition, Military Performance, Thermal and Mountain Medicine, and Research Support. By leveraging its unique capabilities and facilities with industry, academia, and the government, USARIEM produces various essential products, including performance optimization doctrine, preventive medicine, planning doctrine, materiel development support, physiological monitoring strategies and 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 Highly competitive applicants will have the following knowledge and skills:

The candidate should have a Master's degree or pursuing their PhD (to be

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completed by Summer 2024) in exercise science/biology/mechanical engineering or similar area of scientific study with a preference for prior experience in human physiology and bone imaging. A successful candidate should also be self-motivated and able to function well in a collaborative lab environment.




Application Requirements

A complete application consists of the following:

- Zintellect Profile
- Educational and Employment History
- CV and Cover Letter describing achievements, research interests, career goals, reason of interest, and suitability for this appointment (maximum two pages) - please upload to the resume section on the application
- 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
- If you have questions, send an email to orise-army-mrdoc-riem@orise.orau.gov. Please list the reference code of this opportunity USAMRDC-RIEM-2024-0003 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.

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- Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
 - **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or currently pursuing.
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Communications and Graphics Design** ([2](#) )
 - **Computer, Information, and Data Sciences** ([17](#) )
 - **Earth and Geosciences** ([21](#) )
 - **Engineering** ([27](#) )
 - **Environmental and Marine Sciences** ([14](#) )
 - **Life Health and Medical Sciences** ([51](#) )
 - **Mathematics and Statistics** ([11](#) )
 - **Physics** ([16](#) )
 - **Science & Engineering-related** ([2](#) )

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- **Social and Behavioral Sciences** ([29](#) )
- **Age:** Must be 18 years of age