

Opportunity Title: Environmental Physiology Post-Doctoral Fellowship

Opportunity Reference Code: USAMRDC-RIEM-2026-0001

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 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 practical applications. This ORISE fellowship is an opportunity to collaborate on ongoing studies within the Military Thermal and Mountain Medicine Division, which collects physiologic and biologic data in extreme environments and utilizes this data to develop novel prediction algorithms of acute mountain sickness, heat exhaustion, cold injury, and other environmental problems. The Thermal and Mountain Medicine Division also collects individual biomarkers of environmental injury to develop risk prediction scores and reduce injuries before they occur.

What will I be doing?

As part of this learning experience, you and your mentor will be involved in two to four research projects: one involving the efficacy of a hypoxia inducible factor prolyl hydroxylase inhibitor on reducing acute mountain sickness, another involving testing the reliability and validity of novel wearable sensors to detect oxygen saturation, a third involving the prediction of heat stroke and a fourth involving biomarker signatures of heat, cold and altitude acclimatization.

Why should I apply?

Under the guidance of a mentor and during this appointment, you will have the opportunity to learn and gain experience in the following:

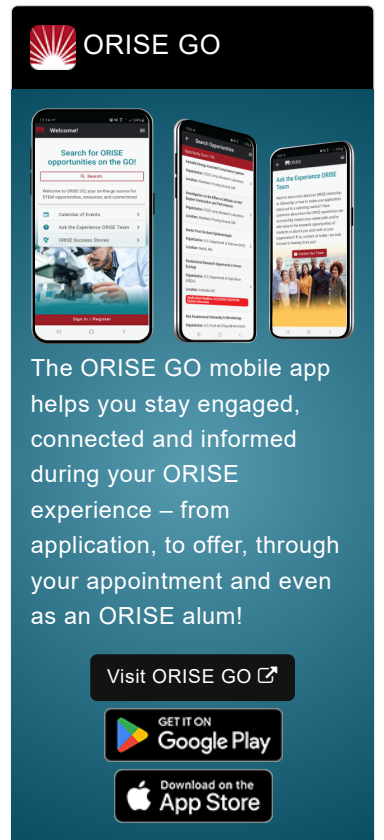
- Organizing and standardizing human data collection procedures
- Developing novel, independent research questions focused on injury and performance
- Engaging and collaborating directly with Soldier units
- Gaining hands-on experience in field-based data collection techniques and preparing documentation for Institutional Review Board (IRB) approval
- Expanding the knowledge and skills necessary to become credentialed as a Principal Investigator
- Applying a broad range of statistical and machine learning methods to human performance data collected in real-world settings
- Developing foundational competencies in research design, exercise physiology, human subject data collection, and statistical analysis using SPSS, SAS, R, and Microsoft Excel.
- Strengthening experience in research protocols
- Contributing to writing grant proposals for extramural funding aimed at optimizing the health and performance of Warfighters deployed in extreme environments.

Where will I be located?

Natick, Massachusetts

What is the anticipated start date?

USARIEM is ready to make an appointment as early as **March 2026**. Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications



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are reviewed on an ongoing basis, and internships will be filled as qualified candidates are identified.

What is the appointment length?

This appointment is a full-time research appointment, with the possibility of renewal for additional research periods. Appointments may be extended depending on funding availability, project assignment, program rules, and the participant's availability.

What are the provisions?

You will receive a stipend, which will be determined by USARIEM. 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.

Nature of Appointment

As a participant, you will 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.

About USARIEM

The U.S. Army Research Institute of Environmental Medicine (USARIEM), in Natick, Massachusetts 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 A Doctoral Degree in Environmental Physiology, Exercise Physiology, Applied Anatomy and Physiology and statistical analysis skills in SPSS, SAS and Excel. Human research experience in a health-care setting is desirable. Excellent oral and written presentation skills.

Application Requirements

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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-mrdc-riem@orise.orau.gov. Please list the reference code of this opportunity, USAMRDC-RIEM-2026-0001, 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!

Point of Contact [Brittany](#)

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| Eligibility | <ul style="list-style-type: none">• Citizenship: U.S. Citizen Only |
| Requirements | <ul style="list-style-type: none">• Degree: Doctoral Degree received within the last 60 month(s).• Discipline(s):<ul style="list-style-type: none">◦ Earth and Geosciences (21 )◦ Environmental and Marine Sciences (14 )◦ Life Health and Medical Sciences (51 )• Age: Must be 18 years of age |