

Opportunity Title: Biomechanics Winter Internship at Georgia Southern University
- Armstrong Campus
Opportunity Reference Code: USAMRDC-RIEM-2024-0001

Organization U.S. Department of Defense (DOD)

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How to Apply Click on *Apply* now to start your application.

Description The U.S. Army Research Institute of Environmental Medicine (USARIEM) is an internationally recognized military laboratory located in Natick, Massachusetts, with the overarching research goal of maximizing and optimizing Warfighter health and performance. USARIEM's research is divided into three divisions: Thermal and Mountain Medicine, Military Performance, and Military Nutrition.

What will I be doing?

The U.S. Army Institute of Environmental Medicine (USARIEM) is offering a winter research opportunity to learn and train under USARIEM scientists. As military readiness is a top priority, the mission of USARIEM is to optimize Warfighter health and performance through medical research. As an ORISE participant, you will assist in conducting research on the biomechanics of potential mechanisms of injury with a focus on the spine during heavy deadlifts to improve performance and assess injury risk in the lower back. You will participate in research activities ranging from study conception to data collection and analysis to manuscript publication.

The ORISE participant will be mentored by the Principal Investigator, Dr. Vanessa J Ramirez, and the on-site supervisor Dr. Bryan Reimann.

Why should I apply?

The ORISE participant will learn and be involved in the different aspects of the project:

1. Hands-on experience to become proficient/familiar with laboratory testing procedures
2. Data collection and analysis
3. Data dissemination/report/manuscript writing/conference presentation

Where will I be located?

These activities will be taking place in Savannah, Georgia at Georgia Southern University

What is the anticipated start date?

This is a full-time, 2-month appointment anticipated to begin January 2024; exact start dates will be determined at the time of selection and in coordination with the selected candidate.

Appointment Length

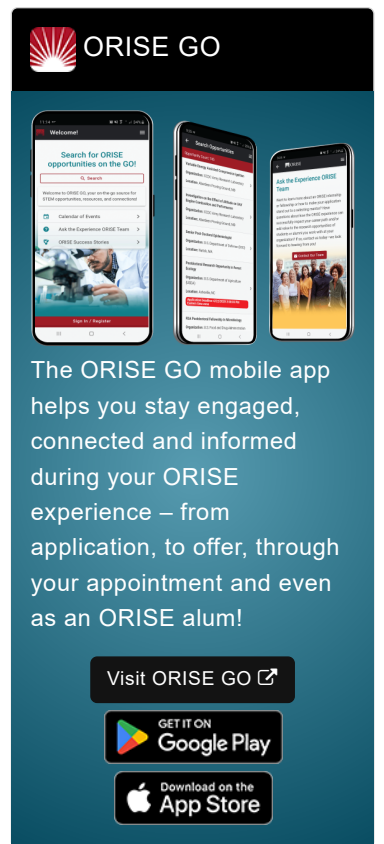
Appointments may be extended depending on funding availability, project assignment, program rules, and participant availability.

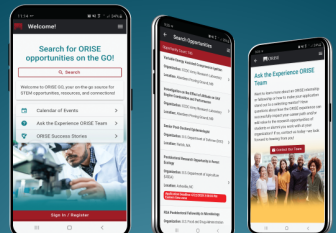
What are the benefits?

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*)









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- 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:

- A candidate currently enrolled in a bachelors or masters degree in relevant fields (e.g. bioengineering, biomechanics, kinesiology, etc.) is required.
- A candidate who will can physically be in Savannah, GA is required.
- A candidate with experiences in human performance research is preferred.
- A candidate who is familiar with kinematic analyses, modeling, etc. of human movements, is preferred.

Application Requirements

A complete application consists of the following:

- Zintellect Profile
- Educational and Employment History

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- 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-mrhc-riem@orise.orau.gov. Please list the reference code of this opportunity USAMRDC-RIEM-2024-0001 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.

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- Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
 - **Degree:** Bachelor's Degree or Master's 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](#) )
 - **Social and Behavioral Sciences** ([29](#) )
 - **Age:** Must be 18 years of age