

**Opportunity Title:** Exercise Physiologist at USARIEM  
**Opportunity Reference Code:** USAMRMC-RIEM-2022-0009

**Organization** U.S. Department of Defense (DOD)

**Reference Code** USAMRMC-RIEM-2022-0009

**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), located in Natick, Massachusetts, is offering a postdoctoral research opportunity.

**What will I be doing?**

As an ORISE participant you will join a community of scientists and researchers and be involved in two to four of the following research projects:

- Prediction of acute mountain sickness at altitude.
- Development of novel sensors to detect oxygen saturation.
- Prediction of heat stroke.
- Genomic prediction of altitude, heat and cold injuries.

**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. Along the way, you will engage in activities and research in several areas. These include, but are not limited to:

- Project management.
- Data collection of physiologic and biologic data.
- Data compilation techniques using Microsoft Excel and/or Matlab.
- Data analysis techniques utilizing statistical programs such as SPSS or SAS, and both written and oral publication skills.
- Institutional Review Board procedures.
- Team Leadership.
- Collaboration with a wide range of individuals within the Institute.
- Grant writing.
- Development of independent research program.

**Where will I be located?**

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

**What is the anticipated start date?**

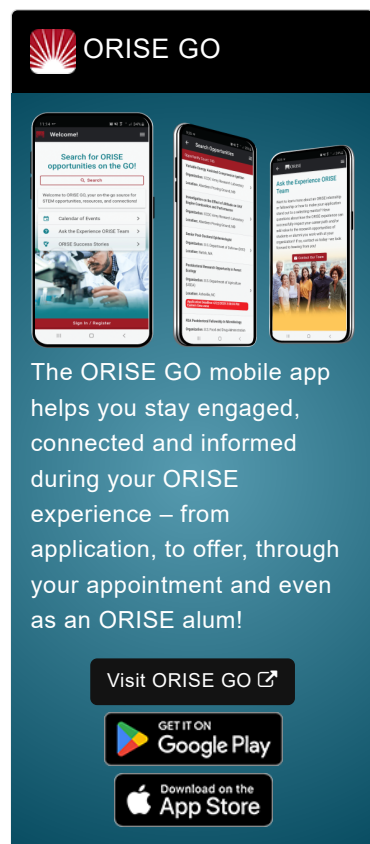
The USARIEM is ready to make appointments effective as soon as possible. Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and internships will be filled as qualified candidates are identified.

**Appointment Length**

Appointments are initially for one year with the option to extend the appointment for up to four additional years, contingent upon project needs and funding availability.

**What are the benefits?**

You will receive a stipend to be determined by USARIEM. Stipends are typically based on a



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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 US Army Research Institute of Environmental Medicine (USARIEM) is an internationally recognized center of excellence for Warfighter health and performance science located in Natick, Massachusetts. USARIEM functions as a world-class laboratory for research related to environmental medicine, biophysics and biomedical modeling, military performance, thermal physiology, physiology, and nutrition.

For more information about the USARIEM, please visit <https://www.usariem.army.mil/>.

**Qualifications** The qualified candidate must have or be close to completing a Doctoral Degree in the area of Exercise Science, Exercise Physiology, Biomedical Engineering, Biostatistics or Epidemiology.

Highly competitive applicants will have the following knowledge, skills and experience:

- General understanding of human physiology and exercise science.
- Statistical analysis programs such as SPSS or SAS.
- Data coding languages such as Python or Matlab.
- Clinical or research experience working with test volunteers or patients.
- Team-leadership skills.
- Excellent oral and written presentation skills.
- SAS certification.
- Grant writing.
- Previous experience in development of research programs.

The successful applicant will be required to comply with Environmental, Safety and Health (ES&H) requirements of the host facility, including but not limited to COVID-19 requirements (e.g. facial covering, physical distancing, testing, vaccination).

#### **Application Requirements**

A complete application consists of:

- Zintellect Profile.
- Educational and Employment History.
- Essay Questions (goals, experiences, and skills relevant to the opportunity).
- Resume (PDF).












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- 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 [ARMY-MRMC@orise.orau.gov](mailto:ARMY-MRMC@orise.orau.gov). Please list the reference code of this opportunity [USAMRMC-RIEM-2022-0009] in the subject line of the email.

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- Eligibility Requirements**

  - **Citizenship:** U.S. Citizen Only
  - **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 12/31/2023 12:00:00 AM.
  - **Overall GPA:** 3.00
  - **Academic Level(s):** Graduate Students or Postdoctoral.
  - **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** ([48](#) )
    - **Mathematics and Statistics** ([11](#) )
    - **Physics** ([16](#) )
    - **Science & Engineering-related** ([2](#) )
    - **Social and Behavioral Sciences** ([28](#) )
  - **Age:** Must be 18 years of age