

Opportunity Title: Nutritional Sciences/Exercise Physiology Postdoctoral
Fellow at USARIEM

Opportunity Reference Code: USAMRMC-RIEM-2021-0052



Organization U.S. Department of Defense (DOD)

Reference Code USAMRMC-RIEM-2021-0052

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

Description The US Army Research Institute of Environmental Medicine (USARIEM) is offering a Postdoctoral Fellowship in the research area of nutrition and exercise physiology.

What will I be doing?

As an ORISE participant, you will join a community of scientists and researchers seeking to highlight the integrative effects of diet composition and exercise on substrate oxidation and physical performance.

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 the following research tasks:

- Execution of randomized controlled trials that examine impact of nutrition, exercise, dietary supplements, and pharmacological interventions for Warfighters exposed to military operational stress
- Hands-on experience collecting data from exercise testing, indirect calorimetry, stable isotope methodologies, muscle biopsies, and biological samples

Where will I be located?

Natick, Massachusetts

What is the anticipated start date?

The USARIEM is ready to make an appointment effective **May 1, 2022**. 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 the internship will be filled as a qualified candidate is identified.

What is the appointment length?

This appointment is a twelve 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 availability of the participant.

What are the benefits?

You will receive a stipend to be determined by USARIEM. 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

About USARIEM

The U.S. Army Research Institute of Environmental Medicine (USARIEM), is an internationally recognized center of excellence for Warfighter health and performance science and its applications. The Institute functions as a world-class laboratory for environmental medicine, physiology, and nutrition research. The Military Nutrition Division (MND) conducts research on nutritional issues affecting the health and mission-readiness of military personnel, and supports the US Army Surgeon General's responsibilities as the Department of Defense's executive agent for nutrition research. The facility contains environmental chambers for controlling temperature and humidity, an environmentally controlled hypobaric

Opportunity Title: Nutritional Sciences/Exercise Physiology Postdoctoral

Fellow at USARIEM

Opportunity Reference Code: USAMRMC-RIEM-2021-0052

chamber, a water immersion laboratory, as well as several dry and wet laboratories for animal and human experimentation. The dry laboratories are capable of a broad range of experiments, including biomechanical analysis, body composition, energy expenditure, muscle strength and endurance. The wet laboratories include general clinical chemistry analyzers, as well as equipment for ELISA, RIA, histology, and molecular biology assays. For more information about USARIEM, please visit <https://www.usariem.army.mil/>.

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

The qualified candidate will possess, or is currently pursuing, a doctoral degree in nutritional sciences, exercise physiology, or a closely related field.

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

- Western blotting
- RT-qPCR
- Immunohistochemistry
- Statistical Analysis using SPSS, SAS, or equivalent

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)
- 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.ornl.gov. Please list the reference code of this opportunity USAMRMC-RIEM-2021-0051 in the subject line of the email. 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 8/31/2022 12:00:00 AM.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** (12 )
 - **Communications and Graphics Design** (2 )

Opportunity Title: Nutritional Sciences/Exercise Physiology Postdoctoral

Fellow at USARIEM

Opportunity Reference Code: USAMRMC-RIEM-2021-0052

- **Computer, Information, and Data Sciences** (17 )
- **Earth and Geosciences** (21 )
- **Engineering** (27 )
- **Environmental and Marine Sciences** (14 )
- **Life Health and Medical Sciences** (46 )
- **Mathematics and Statistics** (10 )
- **Physics** (16 )
- **Science & Engineering-related** (1 )
- **Social and Behavioral Sciences** (28 )
- **Age:** Must be 18 years of age