Opportunity Title: EACE Musculoskeletal Imaging Research Postdoctoral Fellowship
Opportunity Reference Code: EACE-2021-0010R

Organization U.S. Department of Defense (DOD)

Reference Code EACE-2021-0010R

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

Description The Extremity Trauma and Amputation Center of Excellence (EACE) is offering a postdoctoral opportunity at the Uniformed Services University of the Health Sciences (USUHS) and Walter Reed National Military Medical Center (WRNMMC) located in Bethesda, Maryland.

What will I be doing?

The Extremity Trauma and Amputation Center of Excellence (EACE) is the leading advocate for research and treatment of Department of Defense (DoD) and Department of Veterans Affairs (VA) patients with extremity trauma and amputation. The EACE leads efforts to enhance collaboration between the DoD and the VA extremity trauma and amputation care providers and conduct scientific research to minimize the effects of traumatic injuries and improve clinical outcomes.

Musculoskeletal injuries and disorders are the second largest contributor to disabilities globally and involve substantial health and economic burden (~6% of the gross domestic product). Within the military, musculoskeletal injuries are also the leading threat to force readiness and source of healthcare expenditure. Moreover, severe extremity trauma is the signature combat-related injury, with approximately 1,800 US military Service members suffering traumatic limb loss. As the selected candidate, you would engage with a multidisciplinary research team that takes a comprehensive approach to understanding the complex and multifactorial mechanisms by which Service members develop musculoskeletal disorders following extremity trauma. Included in the research are efforts to span the broad spectrum of science, from pre-clinical to clinical, and often assess a number of outcomes (e.g., biochemical, biomechanical, functional, imaging) with a focus on imaging acquisition and analyses of bones, joints, and soft tissues, including but not limited to radiography/bone densitometry (e.g., dual-energy x-ray absorptiometry or DEXA), ultrasound, and magnetic resonance imaging.

What is the appointment length?

EACE is prepared to begin this fellowship immediately pending review of applications and the selection of a candidate. 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. This position will be housed at Walter Reed National Military Medical Center (WRNMMC), the flagship of United States Military Medicine, in collaboration with the Uniformed Services University of the Health Sciences.

What are the benefits?

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You will receive a stipend to be determined by EACE. 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 EACE

The Extremity Trauma & Amputation Center of Excellence (EACE) is a unique organization within the DoD consisting of teams of researchers embedded at the point of care within multiple Military Treatment Facilities across the nation. In line with the congressionally directed mission of the EACE, the research efforts undertaken focus on the mitigation, treatment and rehabilitation of traumatic extremity injuries and amputations with a specific focus on translating their findings into clinical practice to improve the care of injured Service Members and Veterans. To learn more, visit: https://www.health.mil/Military-Health-Topics/Centers-of-Excellence/EACE.

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 have received a PhD from an accredited institution in medical imaging, engineering, rehabilitation science, or a related field. Degree must have been received within five years of the appointment start date.

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

- Certification as a Bone Densitometry Technologist (CBDT) is a plus.
- 1-2 years of experience performing extremity trauma research.
- Experience in the fields of medical imaging, engineering, or rehabilitation science.
- Research experience in the area of extremity trauma.
- A record of publication and excellent technical writing skills.

Physical Capabilities: Long periods of standing and sitting.

Appointment Environment: The physical environment is that of a clinical

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laboratory in a DoD teaching and research hospital.

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 STEM-WORKFORCE@orise.orau.gov. Please list the reference code of this opportunity [EACE-2021-0010R] 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 currently pursuing.
- **Academic Level(s):** Graduate Students or Postdoctoral.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Communications and Graphics Design** (2 👁)
  - **Computer, Information, and Data Sciences** (16 👁)
  - **Earth and Geosciences** (21 👁)
  - **Engineering** (27 👁)
  - **Environmental and Marine Sciences** (14 👁)
  - **Life Health and Medical Sciences** (45 👁)
  - **Mathematics and Statistics** (10 👁)
  - **Other Non-Science & Engineering** (2 👁)
  - **Physics** (16 👁)
  - **Science & Engineering-related** (1 👁)
  - **Social and Behavioral Sciences** (27 👁)