

**Opportunity Title:** Medical: Extremity Wound Treatment Study - Post-Doctoral

**Opportunity Reference Code:** USAISR-2022-0002

### Organization

U.S. Department of Defense (DOD)

### Reference Code

USAISR-2022-0002

### How to Apply

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

### Application Deadline

11/30/2022 3:00:00 PM Eastern Time Zone

### Description

The U.S. Army Institute of Surgical Research is offering postdoctoral fellowships at JBSA Fort Sam Houston.

#### What will I be doing?

As an ORISE participant, you will join the Combat Wound Repair Group at the U.S. Army Institute of Surgical Research (USAISR) to conduct research on burn injury, extremity trauma, and sepsis. Projects involve (a) development of novel strategies to reconstruct and regenerate damaged skin and lost tissue after burn and trauma; (b) prevention and control of wound infections; and (c) evaluation of the state-of-the-art sensor-driven bandage, device, and patches to promote regenerative healing of burn and extremity wounds. These projects will involve small and large animal surgery as well as in vitro work on conducting various biological assays and microscopy.

#### Why should I Apply?

Under the guidance of a mentor, you will engage in a variety of research activities, including:

- data analysis
- manuscript preparation
- presenting at relevant scientific meetings
- learning about various small and large animal models for wound healing
- developing various surgical skills essential for conducting wound healing research
- learning to design animal experiments
- performing various biological and analytical assays
- conducting histopathological evaluation of wound samples

#### What is the anticipated start date?

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 or fellowships will be filled as qualified candidates are identified.

#### What is the 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 USAISR. Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:

- Participants are eligible to purchase health insurance through ORISE
- Relocation Allowance
- Training and Travel Allowance

#### About USAISR

The U.S. Army Institute of Surgical Research is one of six research laboratories within the U.S. Army Medical Research and Materiel Command of the U.S. Army Medicine

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Command. The Institute is the Army's lead research laboratory for improving the care of combat casualties. The mission of the Institute is to "Optimize Combat Casualty Care".  
<https://usaisr.amedd.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

Qualified candidates will have received their Ph.D within five years of the appointment start date in the field of microbiology, immunology, physiology, neurosciences, biochemistry, pharmacology, or engineering.

Highly competitive applicants will possess the ability to work well in a multidisciplinary team.

#### 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.](#)
- 1 Recommendation(s)

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 USAISR-2022-0002 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!

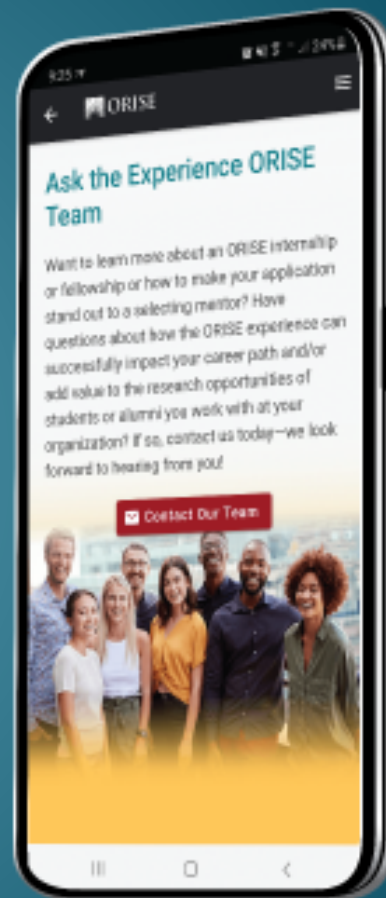
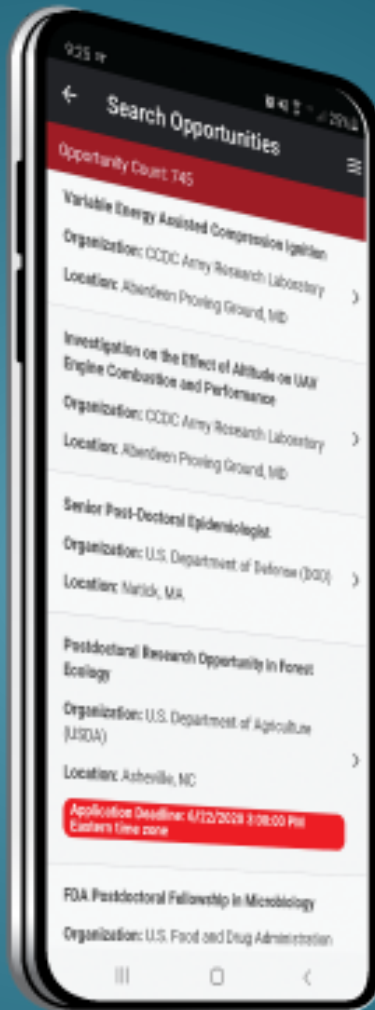
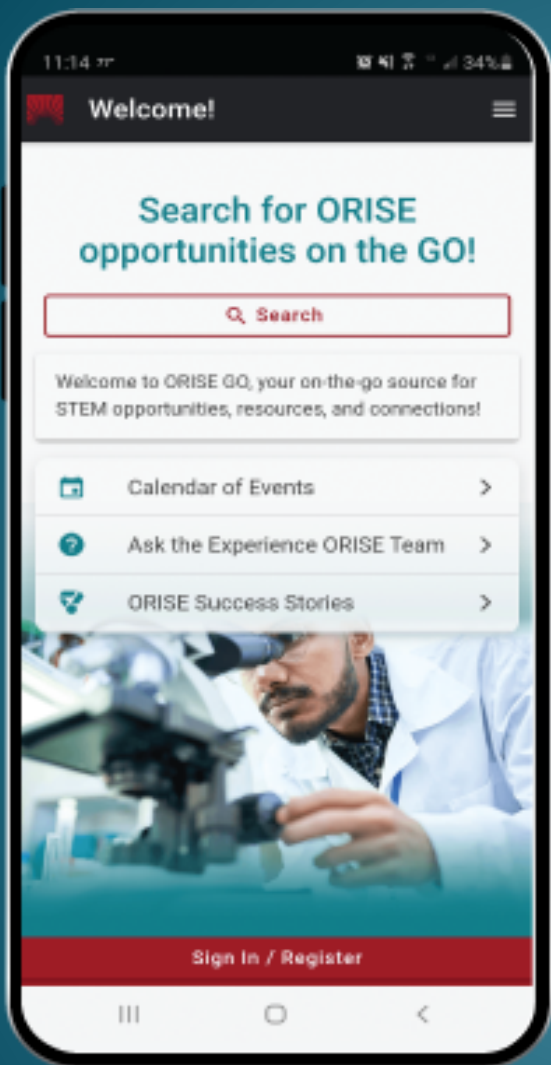
#### Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 60 month(s).
- **Discipline(s):**
  - **Engineering** ([3](#) )
  - **Life Health and Medical Sciences** ([6](#) )



# OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION

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