

**Opportunity Title:** Medical / Biological Research: US Army Institute for Surgical Research

**Opportunity Reference Code:** USAISR-2023-0005

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

**Reference Code** USAISR-2023-0005

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

**Description** The U.S. Army Institute of Surgical Research is offering a postgraduate opportunity at JBSA Fort Sam Houston, Texas.

**What will I be doing?**

As an ORISE participant, you will join a community of scientists, engineers, and researchers developing cutting edge medical research solutions. You will assist with various biological laboratory and/or in vivo scientific research projects focused on developing novel patient treatment methods and optimizing use of medical devices for the robustification of combat casualty care treatment through use of the most advanced laboratory and in vivo research techniques.

**Why should I apply?**

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

- Operating advanced laboratory equipment; preparing and processing samples, analyzing data
- Developing research protocols for various research projects
- Assisting with preparation of peer-reviewed manuscripts on cutting edge research topics
- Utilizing in vivo models to enhance treatment of multi-organ failure and shock
- Processing and preparing large data sets for analysis, figures, and manuscripts
- Optimizing medical devices for novel uses or future improved patient care
- Enhancing experience in engineering fabrication processes

**Where will I be located?** San Antonio, Texas

**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.

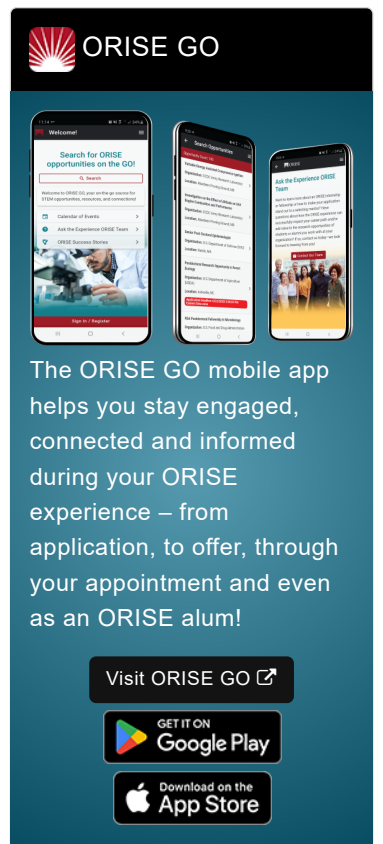
**What are the benefits?**

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 Command. The Institute



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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". The Organ Support and Automation Technologies Combat Casualty Care Research Team at the USAISR is developing technologies and products that will assist medical providers performing life-saving interventions in the Prolonged Field Care (PFC) combat environment.

**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 a Bachelor's degree or be currently pursuing a Master's degree in biological science or related field.

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

- General lab skills in a research environment
- Teamwork
- Positive attitude
- Willingness to learn
- Demonstration of good communication and writing skills
- Experience in operating, calibration, and maintenance of flow cytometry machines to perform (human and animal) experiments
- Experience in whole blood, quantitative, and extracellular flow cytometry.
- Training and technical assistance in instrument operation and data analysis
- Performance of daily calibration, operation, and maintenance of the assigned laboratory equipment.
- Monitoring and maintaining laboratory quality control records, supply inventories, and instrument usage logs.
- Two years of research experience
- Experience with coagulation analysis

**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 - Please upload a copy of a transcript for your current or most recent degree program that meets the disciplinary qualifications of the opportunity. [Click here](#)

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[for detailed information about acceptable transcripts.](#)

- One recommendation. Your application will be considered incomplete and will not be reviewed until one recommendation is submitted. We encourage you to contact your recommender(s) as soon as you start your application to ensure they are able to complete the recommendation form and to let them know to expect a message from Zintellect. Recommenders will be asked to rate your scientific capabilities, personal characteristics, and describe how they know you. You can always log back in to your Zintellect account and check the status of your application.

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-2023-0005] 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!

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| <b>Eligibility Requirements</b> | <ul style="list-style-type: none"><li>• <b>Citizenship:</b> U.S. Citizen Only</li><li>• <b>Degree:</b> Bachelor's Degree or Master's Degree received within the last 60 months or anticipated to be received by 6/30/2023 12:00:00 AM.</li><li>• <b>Discipline(s):</b><ul style="list-style-type: none"><li>◦ <b>Chemistry and Materials Sciences</b> (<a href="#">12</a> )</li><li>◦ <b>Computer, Information, and Data Sciences</b> (<a href="#">17</a> )</li><li>◦ <b>Engineering</b> (<a href="#">27</a> )</li><li>◦ <b>Environmental and Marine Sciences</b> (<a href="#">5</a> )</li><li>◦ <b>Life Health and Medical Sciences</b> (<a href="#">48</a> )</li><li>◦ <b>Mathematics and Statistics</b> (<a href="#">11</a> )</li><li>◦ <b>Physics</b> (<a href="#">16</a> )</li><li>◦ <b>Science &amp; Engineering-related</b> (<a href="#">1</a> )</li><li>◦ <b>Social and Behavioral Sciences</b> (<a href="#">8</a> )</li></ul></li><li>• <b>Veteran Status:</b> Veterans Preference, degree received within the last 120 month(s).</li></ul> |
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