

**Opportunity Title:** Enzyme Linked Immunosorbent Assay Researcher

**Opportunity Reference Code:** USAISR-2023-0015

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

**Reference Code** USAISR-2023-0015

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

**Application Deadline** 9/30/2024 3:00:00 PM Eastern Time Zone

**Description** The U.S. Army Institute of Surgical Research is offering an internship at Fort Sam Houston, Texas.

As an ORISE participant, you will join a community of scientists and researchers in an effort to advance the ELISA (Enzyme-Linked Immunosorbent Assay) technique, a widely used and highly sensitive method for detecting and quantifying various biomolecules, including proteins, antibodies, and hormones. It plays a crucial role in biomedical research, clinical diagnostics, and drug development. To meet the growing demand for ELISA-based assays, our institution aims to establish an ELISA Core Facility, equipped with state-of-the-art instrumentation and expertise, to support and enhance research capabilities. The facility will enable researchers to perform high-quality ELISA experiments, leading to improved accuracy, reproducibility, and efficiency in their research endeavors. Our team of experienced scientists will provide technical support and guidance to researchers, assisting them in experimental design, data analysis, and result interpretation.

This will facilitate breakthrough discoveries, accelerate the development of new therapies, and improve patient care. The ELISA Core Facility will serve as a hub for researchers from various disciplines, fostering collaboration and knowledge exchange. This interdisciplinary approach will lead to innovative research projects and the exploration of new applications for ELISA assays. This will enhance the credibility and impact of research findings, leading to increased confidence in scientific advancements. The availability of a centralized ELISA Core Facility will eliminate the need for individual laboratories to invest in expensive equipment and reagents. Researchers will benefit from cost and time savings, allowing them to allocate resources more efficiently and focus on their specific research objectives.

**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,

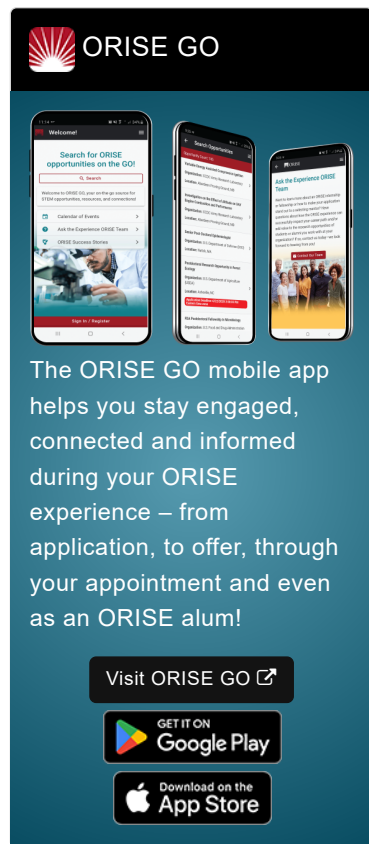
- Operating high-throughput ELISA equipment to generate data for multiple research protocols
- Analyzing data generated from ELISA equipment and ensure that the data points fall within the standard curve and the coefficient of variation is within parameters
- Preparing tissue and other biological specimens for ELISA analysis
- Meeting regularly with a team of research professionals to discuss constraints/requirements for research objectives

**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?**



**ORISE GO**

The ORISE GO mobile app helps you stay engaged, connected and informed during your ORISE experience – from application, to offer, through your appointment and even as an ORISE alum!

Visit ORISE GO 

GET IT ON  
**Google Play**

Download on the  
**App Store**

**Opportunity Title:** Enzyme Linked Immunosorbent Assay Researcher

**Opportunity Reference Code:** USAISR-2023-0015

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 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 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".

#### **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 hold or be currently pursuing a Bachelor's, Master's, or Doctoral degree in any of the disciplines on the opportunity listing. If postgraduate, the degree must have been received within five years of the appointment start date. U.S. military veterans who have been honorably discharged (or who have been medically discharged because of a service-connected disability) and who received any of the above degrees within ten years of the desired start date are also eligible. First consideration will be given to applicants living in or attending school in Texas.

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

- Strong bench skills, particularly with pipetting, diluting solutions, and sample handling/processing
- Strong organization and documentation skills
- Experience with ELISAs or similar techniques (at least 1 year, preferred): assay/sample prep, optimization, and preliminary analysis; able to run assays concurrently
- Experience in Excel: data entry, basic cell organization, and basic formulas
- Able to troubleshoot ELISAs
- Able to handle more detailed analysis, including interpretation of results to determine

**Opportunity Title:** Enzyme Linked Immunosorbent Assay Researcher

**Opportunity Reference Code:** USAISR-2023-0015

pass/fail, including validity of results from the prospective of standard curve, CV/errors, etc.

- Experienced with compiling individual data sets and providing summarized results to PI

**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 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-2023-0015] 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:** Associate's Degree, Bachelor's Degree, or Master's Degree received within the last 60 months or anticipated to be received by 5/16/2024 12:00:00 AM.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** ([5](#) )
  - **Engineering** ([3](#) )
  - **Life Health and Medical Sciences** ([51](#) )
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).