

Opportunity Title: Medical Clinical Decision Support Systems (CDSS) Faculty Research Fellowship
Opportunity Reference Code: USAISR-2026-0010-F

Organization U.S. Department of Defense (DOD)

Reference Code USAISR-2026-0010-F

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

Description The Department of Defense (DoD) is offering a faculty research opportunity at the U.S. Army Medical Research and Development Command - Institute of Surgical Research (USAMRDC ISR).

What will I be doing?

This faculty research opportunity involves participating with USAISR engineers, developers and research scientists in research projects focused on developing medical clinical decision support systems (CDSS) with specific focus in extended reality technologies and other translational systems. As the selected ORISE participant, you will engage in hypothesis-driven experimental design on human factors engineering, usability testing, clinical performance testing, and medical artificial intelligence modeling all aimed at combat casualty care optimization.

Project activities include clinical research utilizing augmented/mixed reality systems, sensor and medical device with artificial intelligence (AI) integration evaluations and creating innovative solutions for immersive clinical guidance systems. This is an excellent opportunity for someone eager to grow their skills in clinical research with an emphasis on novel technology development.

Why should I apply?

Under the guidance of a mentor, you will learn and gain research experience in several areas. These include, but are not limited to:

- Human subject research on software usability and clinical performance testing.
- Development of research experimentations for human subject research testing.
- Creation of scenarios for medical and field testing.
- Testing and evaluation of clinical decision support technologies (e.g. mixed reality and virtual reality headset applications)
- Developing, modeling, and integration of medical AI systems.
- Documentation of findings, results, and technical processes in detailed reports and presentations.
- Dissemination of research through scientific research journals, presentations, and technology demonstrations.

Where will I be located?

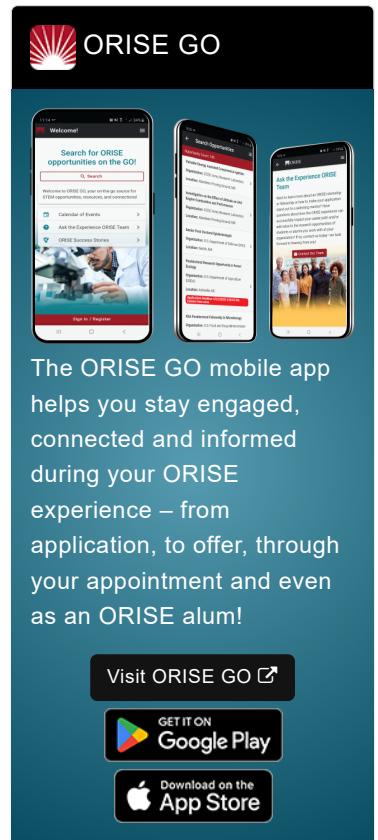
San Antonio, Texas

What is the anticipated start date?

USAISR is ready to make appointments immediately. 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?

This appointment is a twelve-month research appointment. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.



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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 provisions may include the following:

- Relocation Allowance
- Training and Travel Allowance

Security Clearance

While participants will not enter an employment relationship with DoD or any other agency, this opportunity will require a suitability investigation/background investigation. Any offer made is considered tentative pending favorable outcome of the investigation.

About USAISR

The U.S. Army Institute of Surgical Research is one of six research laboratories within the U.S. Army Medical Research and Development 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". For more information about the USAISR, please visit <https://usaisr.health.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 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 be a current faculty member at an accredited institution and have a Doctoral degree in Computer, Information and Data Sciences, Engineering, Bioinformatics or other eligible discipline.

Preferred skills:

- Experience conducting human subject research, including usability and clinical performance testing
- Experience in creating realistic medical, clinical, or field-testing scenarios
- Experimental design and evaluation skills
- Strong technical writing skills for documentation, reports, and presentations•

Application Requirements

A complete application consists of:

- Zintellect Profile
- Educational and Employment History

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- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- One Recommendations. We encourage you to contact your recommenders 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. Please list the reference code of this opportunity USAISR-2026-0010F 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.

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Stipend \$115,000.00 – \$115,000.01 Yearly

Point of Contact [Debbie](#)

- Eligibility Requirements**
- **Citizenship:** LPR or U.S. Citizen
 - **Degree:** Doctoral Degree.
 - **Discipline(s):**
 - **Computer, Information, and Data Sciences** ([17](#) 👁)
 - **Engineering** ([29](#) 👁)
 - **Life Health and Medical Sciences** ([3](#) 👁)

Affirmation I affirm that I am a current faculty member at an accredited institution of higher education.