

Opportunity Title: Extracorporeal Life Support Research

Opportunity Reference Code: USAISR-2020-0035



Organization U.S. Department of Defense (DOD)

Reference Code USAISR-2020-0035

How to Apply Components of the online application are as follows:

- Profile Information
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- 1 Recommendation(s)

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blacked out, blackened out, made illegible, etc.) prior to uploading into the application system.

If you have questions, send an email to ARMY-MRMC@orise.orau.gov. Please list the reference code of this opportunity in the subject line of the email.

All documents must be in English or include an official English translation.

Letter of Recommendation: While a letter of recommendation is not required to be considered, applicants are required to provide contact information for one recommendation in order to submit the application. Applicants are encouraged to request a letter of recommendation before submission as this may help reviewers have a better understanding of the applicant's qualifications and interests. If selected, a letter recommendation must be submitted on your behalf upon acceptance of the appointment.

Description The U.S. Army Institute of Surgical Research (USAISR) 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". For more information about USAISR: <https://www.usaisr.amedd.army.mil>

The candidate selected for this opportunity will assume a learner's role in a novel human clinical trial and data analysis. This opportunity provides the clinician provider with a chance to learn new scientific applications of mechanical ventilation with input from sensors to guide settings of the ventilator; concomitant use of mechanical ventilators and other extracorporeal life support systems such as lung and renal support devices used under investigational device exemption; and emergency use authorization or as standard of care interventions already FDA approved. The candidate will learn the process of study-related data collection, creation of SOPs, and will interact with research coordinator and study support personnel and the subject matter experts on the clinical trial.

The candidate can expect involvement in any and/or all of the following areas:

- Observe and be part of patient care team
- Gain experience and participate in all phases of human clinical trial to include:
 - Protocol writing and review
 - Obtaining informed consent
 - Discussing clinical trial risks/benefits with patients and colleagues
 - Collecting data
 - Analyzing data
 - Reporting findings to the team and participation in assessment of progress

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- Preparing manuscripts and reports
- Participating in drafting research proposals and/or protocols
- Participating in teleconferences with other institutions and peers on conferences and presentations

Appointment Length

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.

Participant Benefits

Participants will receive a stipend to be determined by **USAISR**. Stipends are typically based on the 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

Nature of Appointment






The participant will not enter into an employee/employer relationship with ORISE, ORAU, DOD, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications

The candidate should have clinical experience in critical care, management of patients with respiratory and renal insufficiency, and possess the ability to rapidly synthesize large amounts of data (labs, test results, etc.) and work well with other researchers and under mentor's guidance.








- Knowledge of military health system, preferred.
- Demonstrated competence in oral and written communication in English
- Organized, attentive to detail, and posses a positive, friendly and professional demeanor
- Ability to be flexible with changing priorities and available to interact with employees, clients and sponsors of all levels
- Ability to exercise independent judgment in fast-paced, high-pressured environment with strict deadlines and to manage multiple projects
- Computer skills including at least intermediate level experience with Excel and other Microsoft Office Software
- Ability to perform data entry and basic organization

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Any degree .
- **Discipline(s):**
 - **Communications and Graphics Design** (2 )
 - **Computer, Information, and Data Sciences** (16 )
 - **Earth and Geosciences** (21 )
 - **Engineering** (27 )
 - **Environmental and Marine Sciences** (14 )

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- **Life Health and Medical Sciences** (45 )
- **Mathematics and Statistics** (10 )
- **Other Non-S&E** (2 )
- **Other Physical Sciences** (12 )
- **Other S&E-Related** (1 )
- **Physics** (16 )
- **Social and Behavioral Sciences** (27 )
- **Age:** Must be 18 years of age