

Opportunity Title: Data Analysis Intern

Opportunity Reference Code: USAISR-2020-0055

Organization U.S. Department of Defense (DOD)

Reference Code USAISR-2020-0055

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)
- 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)

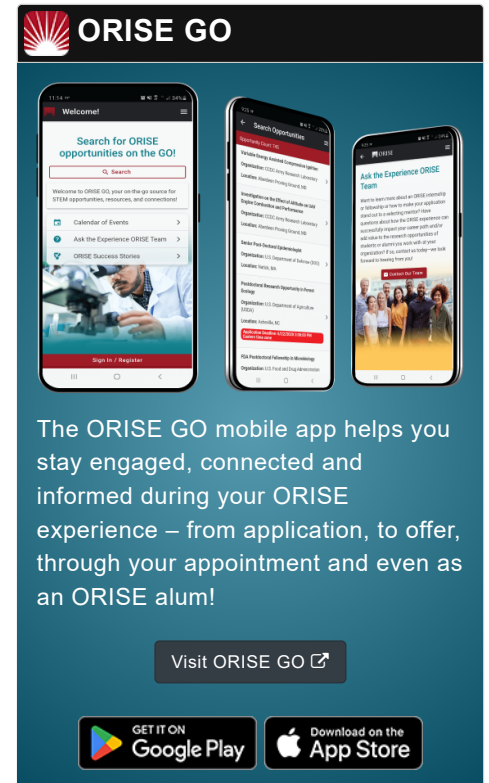
Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blanked out, blackened out, made illegible, etc.) prior to uploading into the application system.

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 US Army Institute of Surgical Research and the Naval Medical Research Unit at San Antonio are recognized internationally as the premier laboratories responsible for supporting combat casualty care research for the Army and Navy respectively. The research activities span the continuum from basic animal research to clinical protocols involving both healthy humans and patients. Areas of research include hemorrhage control, resuscitation, burn, triage, extremity injury, pain, assessment of injury severity, directed energy, and design and



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testing of new methods, agents, and devices to treat combat-related injuries.

The project is in the area of the physiology of human hemorrhage and compensation. Hemorrhagic shock is the leading cause of death on the battlefield. The Battlefield Health & Trauma (BHT) Center for Human Integrated Physiology (CHIP) has the only experimental model for the study of human hemorrhage in the Department of Defense (DoD). The Tri-Service Research Laboratory (TSRL) has the only DoD experimental model of poly-trauma in the genetically-closest surrogate to humans using non-human primates (NHP) that combines hemorrhage and tissue trauma similar to that experienced by our injured warfighters on the battlefield. As a result of the extensive databases generated from the collaborative efforts of these laboratories that employ both human and NHP experiments, there exists a requirement to assign an individual to provide support to data archiving and analysis. In this regard, the participant will organize experimental data into a user-friendly registry based in Microsoft Excel for use by numerous investigators at the USAISR and NAMRU-SA who might be interested in testing hypotheses regarding the physiology and pathophysiology of blood loss and low blood flow states without having to repeat experimentation. The defined project activities will include participant collaboration with and instruction from leading scientists, engineers, and data managers actively conducting combat casualty care research. This experience will provide the participant with the unique educational exposure that demonstrates the execution of high-level science (i.e., how to approach the performance of rigorous scientific method) with hands-on experiences of data collection and analysis that can lead to changes in medical care of critically ill or injured patients. The research activities defined by this project will provide the participant with new insights into the common pathways in which Army and Navy biomedical research meet the military medical mission of 'optimizing combat casualty care' and advancing civilian medicine.

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:

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- 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 be an undergraduate student currently pursuing a baccalaureate degree. Proficiency with the use of Microsoft programs, particularly Excel, Power Point, and Word, will be required. Since the position will require analyzing data related to the physiology of human hemorrhage and compensation for 'optimizing combat casualty care', field experience in combat medic training is highly desired.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Currently pursuing a Bachelor's Degree.
- **Academic Level(s):** Undergraduate Students.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** (12 )
 - **Communications and Graphics Design** (2 )
 - **Computer, Information, and Data Sciences** (16 )
 - **Earth and Geosciences** (21 )
 - **Engineering** (27 )
 - **Environmental and Marine Sciences** (14 )
 - **Life Health and Medical Sciences** (45 )
 - **Mathematics and Statistics** (10 )
 - **Other Non-Science & Engineering** (2 )
 - **Physics** (16 )
 - **Science & Engineering-related** (1 )
 - **Social and Behavioral Sciences** (27 )
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).