

Opportunity Title: Combat Casualty Care & Operational Medicine - Postdoctoral Research Fellowship

Opportunity Reference Code: NAMRU-SA-2024-0009

Organization U.S. Department of Defense (DOD)

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

Description The Naval Medical Research Unit - San Antonio (NAMRU-SA) Combat Casualty Care and Operational Medicine Directorate (CCC&OM) is located in the Tri-Service Research Laboratory, Joint Base San Antonio-Fort Sam Houston, TX. NAMRU-SA's mission is to conduct gap driven directed energy, combat casualty care, and craniofacial health research to improve survival, operational readiness, and safety of Department of Defense personnel engaged in routine and expeditionary operations. NAMRU-SA scientists conduct basic, applied, and advanced technology research and development through prototype demonstration in an operational environment. The CCC&OM Directorate conducts research focused on the protection, resuscitation, and stabilization of combat casualties at frontline points of care in the combat theater. The Tri-Service Research Laboratory (TSRL) building consists of a 181,000 square foot facility with a 46,000 square foot vivarium that is fully accredited by the Association for Assessment and Accreditation of Laboratory Animal Care. The surgical space available to NAMRU-SA, consisting of sterile and non-sterile operating rooms is 3,000 square feet with an additional 2,200 square feet of laboratory and procedure space.

What will I be doing?

You will have the opportunity to participate in collaboration with a Principal Investigator (PI) and the project lead responsible for designing experiments and performing data collection and analysis pertaining to pre-clinical research for the development and optimization of drug products, advanced therapies for the treatment of hemorrhagic shock and identifying and mitigating stressors through the evaluation of products and agents. Under the guidance of a mentor, you will assist in the design, implementation and post-procedural analysis for these projects.

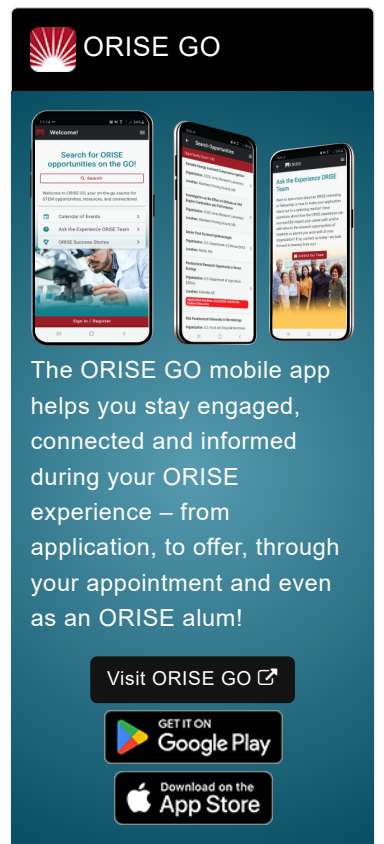
You will participate closely with staff within the Combat Casualty Care and Operational Medicine Directorate at NAMRU-SA.

Why should I apply?

Your contribution to ongoing research activities may include the following and further your knowledge in these areas:

- Assist in the design and implementation of in vivo pre-clinical research experiments involving resuscitation fluids and/or adjuncts.
- Assist in the development of protocols to conduct in vitro and ex vivo combat casualty care studies.
- Compile and analyze data using scientific or statistical techniques.
- Present experimental findings to the research community at conferences or other military/scientific venues.
- Document experimental procedures and results.
- Develop and implement new laboratory standard operating procedures.
- Prepare proposals, reports, presentations, or journal articles communicating research activities and findings.
- Participate as a collaborating scientist in project proposal development and design.

Where will I be located?



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San Antonio, Texas

What is the anticipated start date?

NAMRU-SA 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 fellowships will be filled as qualified candidates are identified.

What is the appointment length?

This appointment is a 12-month, full time 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 appointment provisions?

You will receive a stipend to be determined by NAMRU-SA. Stipends are typically based on a participant's academic standing, discipline, experience, and research facility location. Other provisions may include the following:

- Health Insurance Supplement (*Participants are eligible to purchase health insurance through ORISE*)
- Relocation Allowance
- Training and Travel Allowance

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 This position will provide exposure to unique medical aspects of casualty care relevant to DoD interests. The qualified candidate is a U.S. Citizen with a Ph.D. degree in biology, biochemistry, microbiology, physiology, or a similar field. The qualified candidate will have a thorough knowledge of advanced biological and physiological principles of the human body.

The highly qualified candidate will have coursework and laboratory experience related to human biology and physiology.

- Animal research experience is preferred.
- Experience with surgical techniques and blood analyses is preferred
- Experience with flow cytometry is preferred, but not required
- Data collection and statistical analysis experience in GraphPad Prism (or other statistical

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software) and Microsoft Office suite is preferred.

- A strong publication record, high scholarly activity such as scientific presentations, and grant writing skills are preferred.


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.](#)

If you have questions, send an email to navy@orise.orau.gov. Please list the reference code of this opportunity NAMRU-SA-2024-0009 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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- Eligibility Requirements**
- **Citizenship:** U.S. Citizen Only
 - **Degree:** Doctoral Degree received within the last 12 month(s).
 - **Discipline(s):**
 - **Life Health and Medical Sciences** ([8](#) )