Opportunity Title: Physiology / Biology - Postdoctoral
Opportunity Reference Code: NAMRU-SA-2022-0003

Organization U.S. Department of Defense (DOD)

Reference Code NAMRU-SA-2022-0003

How to Apply Click on *APPLY* now to start your application.

Description Naval Medical Research Unit San Antonio (NAMRU-SA) is located on the San Antonio Military Medical Center Campus, Joint Base Fort Sam Houston, Texas, and serves as one of the leading research and development laboratories of the U.S. Navy under the Department of Defense. The laboratory is one of eight subordinate research commands in the global network of laboratories operating under the Naval Medical Research Center (NMRC), Silver Spring, Maryland. NAMRU-SA's Mission is to conduct medical, craniofacial, and biomedical research, which focuses on ways to enhance the health, safety, performance, and operational readiness of Navy and Marine Corps personnel and addresses their emergent medical and oral/facial problems in routine and combat operations.

What will I be doing?

Under the guidance of a mentor, you will have the opportunity to conduct research both in vitro and in vivo (small animal) data collection and analysis pertaining to testing toxicants, resuscitative adjuncts and biological therapeutics for combat casualty care. You will participate in the maintenance and operation of physiological, behavioral and cell culture instrumentation, data collection, analysis, and QA/QC for existing measurements as well as development of data collection and analysis procedures for a suite of new instruments. You will also be the primary participant in designing and implementing experiments. Your contribution to ongoing research activities at the Combat Casualty Care and Operational Medicine Directorate may include the following:

• Monitoring and maintaining real-time data collection
• Development and implementation of new laboratory standard operating procedures
• Testing of new instrumentation and participation in experiment design
• Preparing, maintaining, and operating whole animal and cell-based instrumentation
• Preparation of proposals, reports, presentations, or journal articles communicating research activities and findings
• Participation as scientist in project proposal development and design

Why should I apply?

This internship provides the opportunity to independently utilize your skills and engage with experts in innovative ideas to move the proposed research forward. There are multiple opportunities available to engage in your applied research and evaluation interests.

Where will I be located? San Antonio, Texas

What is anticipated start date?

NAMRU-SA is ready to make an appointment immediately. Exact start date will be determined at the time of selection and in coordination with the selected candidate.

What is the length of the appointment?

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

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What are the benefits?

You will receive a stipend to be determined by NAMRU-SA. 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

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

- Additional information that may be included if applicable:

While you will not enter into 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.

Qualifications

A Ph.D. degree in physiology or biology. Coursework and laboratory experience in human/animal physiology, cell physiology, flow cytometry, rodent behavioral assays, rodent surgery, endothelial function, biochemical analyses and molecular techniques are highly desired. This research opportunity requires a knowledge of whole animal physiology and/or cellular physiology, and aseptic cell culture techniques as well as experience with biochemical and molecular assays (e.g. RT-qPCR, ELISAs, IHC, western blot). Data collection and analysis activities with experience in GraphPad Prism, Microsoft Office (Excel), and EthoVision XT Base is a plus. A strong publication record, high scholarly activity such as scientific presentations, and grant writing skills are preferred.

A complete application consists of:

- Zintellect profile
- Essay Questions - The application includes questions specific to the opportunity.
- Academic Records - For this opportunity, an official transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted.
- Current Resume/CV
- One (1) Recommendation - Applicants are required to provide contact information for at least one recommendation. You are encouraged to request a recommendation from a professional who can speak to your abilities and potential for success as well as your scientific capabilities and personal characteristics. Recommendation requests must be sent through the Zintellect application system. Recommenders will be asked to complete a recommendation in Zintellect. Letters of recommendation submitted via email will not be accepted.

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. All documents must be in English or include an official English translation. If you have questions, send an email to navy@orise.orau.gov. Please list the reference code of this

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opportunity NAMRU-SA-2022-0003 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:** Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Communications and Graphics Design** (2 👁)
  - **Computer, Information, and Data Sciences** (17 👁)
  - **Earth and Geosciences** (21 👁)
  - **Engineering** (27 👁)
  - **Environmental and Marine Sciences** (14 👁)
  - **Life Health and Medical Sciences** (48 👁)
  - **Mathematics and Statistics** (11 👁)
  - **Social and Behavioral Sciences** (29 👁)