

Opportunity Title: Molecular Biology / Biomaterials / Microbiology: Post Doc
Opportunity Reference Code: NAMRU-SA-2022-0004

Organization U.S. Department of Defense (DOD)

Reference Code NAMRU-SA-2022-0004

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

Application Deadline 10/7/2022 3:00:00 PM Eastern Time Zone

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. NAMRU-SA serves as one of the leading research and development laboratories of the U.S. Navy under the Department of Defense and is one of eight subordinate research commands in the global network of laboratories operating under the Naval Medical Research Center (NMRC) that is located in Silver Spring, Maryland.

What will I be doing?

Under the guidance of a mentor, you will participate and gain experience in research that involves developing (1) electrospun bandages for the treatment of burn and traumatic injuries, and (2) hydrogel wound dressings to treat burn injuries.

Research will include:

1. Fabrication and characterization of electrospun and hydrogel wound dressings.
2. Evaluation of the efficacy of the wound dressings and their components *in vitro* and *in vivo*.
3. Evaluation of the cellular toxicity and proliferation of cells exposed to the wound dressings and their components.
4. Collaboration with engineers, biologists, toxicologists, and veterinary science staff.
5. Development of new hypothesis-driven research and prepare technical reports, manuscripts, posters, abstracts, and proposals.

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.

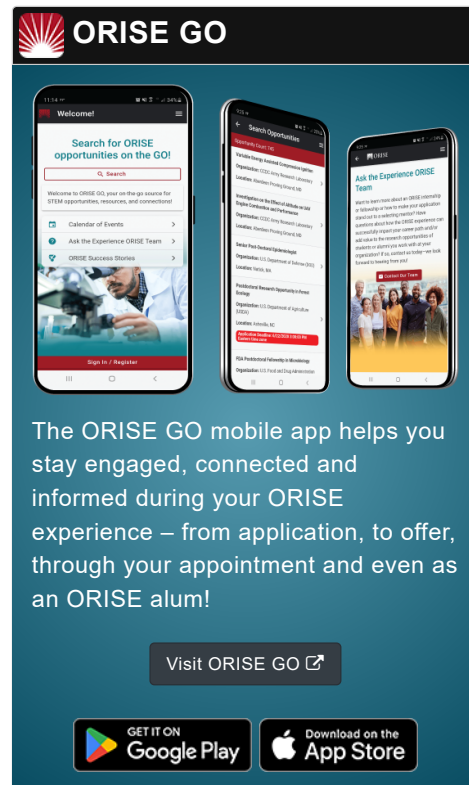
Where will I be located? San Antonio, Texas

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 received or currently pursuing in biomaterial science, microbiology or molecular biology and have laboratory experience.

A complete application consists of:

- Zintellect profile
- Educational and Employment History
- 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 - Your application will be considered incomplete and will not be reviewed until one recommendation is submitted. We encourage you to contact your recommender(s) 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. The status will go from Started to Submitted and then to Completed once the required recommendations have been received.

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 opportunity in the subject line of the email. Please understand that ORISE does not review applications or

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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 60 months or currently pursuing.
- **Academic Level(s):** Graduate Students or Postdoctoral.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** (12 )
 - **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 )
 - **Physics** (16 )
 - **Science & Engineering-related** (2 )