

**Opportunity Title:** Cell and Molecular Biology Fellowship

**Opportunity Reference Code:** NAMRU-SA-2025-0001

**Organization** U.S. Department of Defense (DOD)

**Reference Code** NAMRU-SA-2025-0001

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

**Description** 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. The Command's Mission is to conduct gap driven combat casualty care, craniofacial, and directed energy 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, including prototype demonstration in operational environments.

#### What will I be doing?

Under the guidance of a mentor, you will have the opportunity to apply cell and molecular biology techniques toward understanding how different types of directed energy cause changes to cells in the skin. The long-term goal of this research is to better understand how directed energy can change the molecular and genetic features of cells and apply this information to protect warfighters.

#### Why should I apply?

In this project, you will have the opportunity to learn how to: (1) develop and assess 3D models of tissue culture (2) apply and evaluate directed energy effects in vitro and in vivo (3) perform molecular and single cell analyses to better understand these changes. You will collaborate with researchers from all scientific directorates at NAMRU-SA and have an opportunity to present this research at future meetings.

#### Where will I be located?

San Antonio, Texas

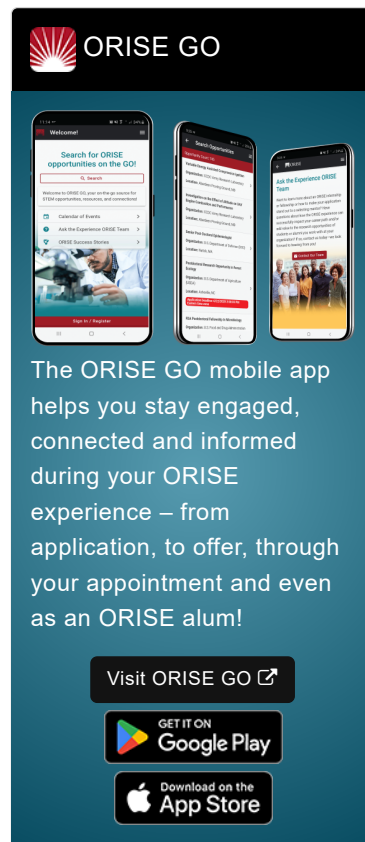
#### What is the anticipated start date? 3/3/2025

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 provisions?



**Opportunity Title:** Cell and Molecular Biology Fellowship

**Opportunity Reference Code:** NAMRU-SA-2025-0001

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** The qualified candidate will have obtained a Master's or Doctoral degree within the last five years, or is currently pursuing a Master's or Doctoral degree, in the field of Biology, Biomedical Sciences, Developmental Biology, Genetics, Translational Medicine, Biomedical Engineering, or associated program. U.S. military veterans who have been honorably discharged (or who have been medically discharged because of a service-connected disability) and who received a Master's or Doctoral degree within ten years of the desired start date are also eligible.

The highly qualified candidate will have education and/or experience in one or more of the following:

- Experience with rodent animal models and in vivo research work.
- Communication and documentation skills demonstrated through publications, technical reports, briefings and/or presentations.
- Familiarity with Microsoft Office Suite, GraphPad, and EndNote, suggested; Python, R and/or similar software a plus.

#### **Application Requirements**

A complete application consists of:

- Zintellect Profile
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)

**Opportunity Title:** Cell and Molecular Biology Fellowship




**Opportunity Reference Code:** NAMRU-SA-2025-0001

- 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](mailto:navy@orise.orau.gov). Please list the reference code of this opportunity NAMRU-SA-2025-0001 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!

**Point of Contact** [Richard](#)

- |                     |   |
|---------------------|---|
| <b>Eligibility</b>  | <ul style="list-style-type: none"><li>• <b>Citizenship:</b> U.S. Citizen Only</li></ul>   |
| <b>Requirements</b> | <ul style="list-style-type: none"><li>• <b>Degree:</b> Master's Degree or Doctoral Degree received within the last 60 months or currently pursuing.</li><li>• <b>Discipline(s):</b><ul style="list-style-type: none"><li>◦ <b>Chemistry and Materials Sciences</b> (<a href="#">12</a> )</li><li>◦ <b>Engineering</b> (<a href="#">1</a> )</li><li>◦ <b>Life Health and Medical Sciences</b> (<a href="#">51</a> )</li></ul></li><li>• <b>Age:</b> Must be 18 years of age</li><li>• <b>Veteran Status:</b> Veterans Preference, degree received within the last 120 month(s).</li></ul> |