

Opportunity Title: Post-Bachelor's Research - Neuro Trauma Department

Opportunity Reference Code: NMRC-2020-0001

Organization U.S. Department of Defense (DOD)

Reference Code NMRC-2020-0001

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 - [Click here for detailed information about acceptable transcripts](#)
- References

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

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.

All documents must be in English or include an official English translation.

Description The NMRC laboratory focuses on solutions to operational medical problems such as battlefield neurotrauma and wound infections, decompression sickness, naturally occurring infectious diseases, and biological threat agents; and is home to the DoD bone marrow registry. The NMRC laboratory is co-located in the Daniel K. Inouye Building with the Walter Reed Army Institute of Research at the U.S. Army Forest Glen Annex, Silver Spring, Maryland. NMRC also operates a Biological Defense Research Directorate at the U.S. Army Ft. Detrick Garrison in Frederick, Maryland.

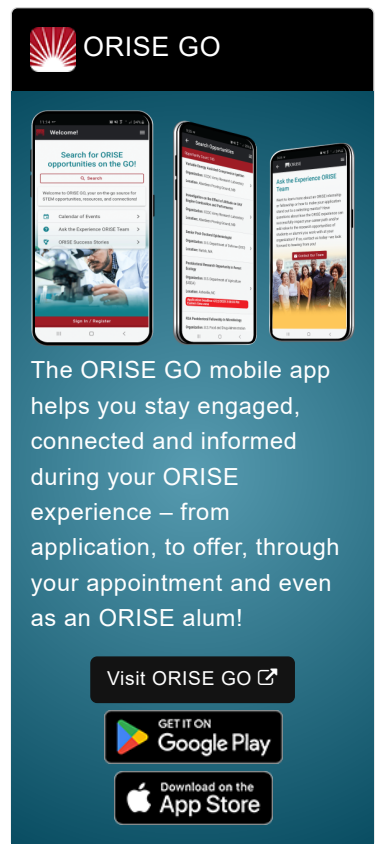
The NeuroTrauma Department at NMRC is seeking a post-baccalaureate candidate to study basic mechanisms of cell and tissue damage as observed in military personnel who receive a traumatic brain injury. This is a challenging opportunity with an exciting research program focused on the physiology, histopathology and molecular biology aspects of brain and other related tissue damage and definition of possible biomarkers of injury as well as targets for potential protection or pharmaceutical therapy after injury. Recent military conflicts have shown that the incidence of both concussive and sub-concussive complications in combat casualties is disproportionately higher than in civilian casualties, leading to the need for a highly sensitive biomarker of injury.

The candidate will be responsible for carrying out research projects in collaboration with a research team and other scientific staff. The incumbent will assist in designing, developing, executing, and implementing scientific research and/or development, and investigate the feasibility of applying a wide variety of scientific principles and theories to potential inventions and products. (S)he will interpret experiments and publish data in reports and peer-reviewed manuscripts.

Appointment Length


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


Participant Benefits




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Participants will receive a stipend to be determined by NRMCM. 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

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.

**Eligibility
Requirements**

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Computer, Information, and Data Sciences** ([16](#) )
 - **Engineering** ([3](#) )
 - **Environmental and Marine Sciences** ([1](#) )
 - **Life Health and Medical Sciences** ([45](#) )
 - **Mathematics and Statistics** ([10](#) )
 - **Physics** ([1](#) )
 - **Science & Engineering-related** ([1](#) )
 - **Social and Behavioral Sciences** ([3](#) )
- **Age:** Must be 18 years of age