

Opportunity Title: Neurotoxicology Research - Graduate Student

Opportunity Reference Code: NAMRU-Dayton-2021-0005

Organization U.S. Department of Defense (DOD)

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

Description Naval Medical Research Unit Dayton (NAMRU) conducts research on environmental health effects and aerospace medicine, addressing health and performance challenges faced by service members in operational military environments

What will I be doing?

The Environmental Health Effects Lab at the Naval Medical Research Unit Dayton has a collaborative research project with the Pharmacology and Toxicology Department at Wright State University for a graduate student to perform their thesis research at both Naval Medical Research Unit Dayton and Wright State laboratories. The objective of the project is to investigate the role of platelet activating factor (PAF) signaling in the neurological effects induced by Gulf War chemical exposures in rodents. Your thesis will fall under this project objective. Under the guidance of a mentor, you will learn about Gulf War Illness as well as PAF, microvesicle particles and their related signaling pathway and will gain knowledge by participating in various biochemical assays to measure levels of inflammatory and oxidative stress markers along with brain slice electrophysiology. You will also gain knowledge and participate in various animal handling procedures such as dermal application and oral gavage of Gulf War chemicals.

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? Wright Patterson Air Force Base and Wright State University, Dayton, Ohio

What is the anticipated start date?

NAMRU-D 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?

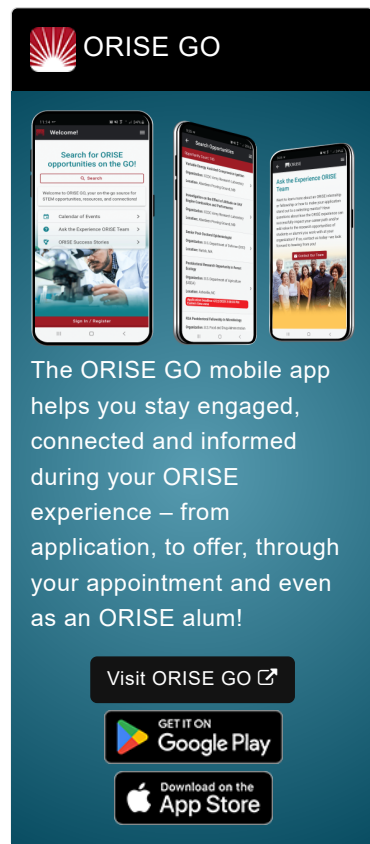
This ORISE appointment is twelve month duration. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

What are the benefits?

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



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You will 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.

Qualifications Currently pursuing or received a Master's or Doctoral degree in Health or Life Sciences.


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 opportunity NAMRU-Dayton- 2021-0005 in the subject line of the email.

Connect with ORISE...on the GO! Download the new ORISE GO mobile app in the Apple App Store or GooglePlay Store to help you stay engaged, connected, and informed during your ORISE experience and beyond!

- Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
 - **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or currently pursuing.
 - **Discipline(s):**
 - **Life Health and Medical Sciences** ([46](#) )
 - **Age:** Must be 18 years of age
 - **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).