Opportunity Title: Vestibular & Human Performance Research - Bachelor Degree
Opportunity Reference Code: NAMRU-Dayton-2022-0007

Organization U.S. Department of Defense (DOD)

Reference Code NAMRU-Dayton-2022-0007

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

Description Naval Medical Research Unit Dayton (NAMRU-D) conducts research on environmental health effects and aerospace medicine, addressing health and performance challenges faced by service members in operational military environments.This research opportunity supports the Vestibular Research Group at NAMRU-D. The Vestibular Research Group's mission is to improve our understanding of human performance during motion via a collaborative trans-disciplinary research milieu where clinicians, clinician-scientists, and basic researchers work together as peers while challenging each other to improve patient care, public health, and our understanding of balance and vestibular function. Research will support a range of projects relating to vestibular function, balance, and spatial orientation in a variety of environmental conditions including hypoxia/hyperoxia, virtual reality, and even during sleep.

What will I be doing?

Under the guidance of a mentor, you will gain hands-on experience operating state-of-the-art devices; including, six degree of freedom (DOF) motion bases, force plates, and virtual reality. Daily activities will include participant scheduling, participant screening, data collection, data management, and data analysis.

You will also learn about multidisciplinary applied research and gain an understanding of the operational needs of the joint fleet, while supporting research in areas that are practicable and pertinent to the United States Navy. You may also have the opportunity to collaborate with various subject matter experts, and attend conferences/scientific meetings.

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, Dayton, OH

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 full-time 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

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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, you will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications

- BA/BS in a relevant field of study for the position (e.g. biomedical engineering, mechanical engineering, kinesiology, physiology, exercise science, movement sciences, biomechanics, human factors psychology, ergonomics, neuroscience).
- Sociable and comfortable interacting with human subjects during data collection while also paying high attention to detail.
- Knowledge of motion devices and force plates is desired, but not required.
- Research experience highly valued.

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 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:** Bachelor's Degree received within the last 60 months or anticipated to be received by 6/30/2022 11:59:00 PM.
- **Discipline(s):**

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- **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 👁)
- **Physics** (16 👁)
- **Science & Engineering-related** (2 👁)
- **Social and Behavioral Sciences** (28 👁)