Opportunity Title: Neuroscience Research - Undergraduate
Opportunity Reference Code: NAMRU-Dayton-2020-0002

Organization U.S. Department of Defense (DOD)

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How to Apply

Components of the online application are as follows:

- Profile Information
- Educational and Employment History
- 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 (blanked 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 Environmental Health Effects Laboratory at the Naval Medical Research Unit Dayton researches the physical, physiological and cognitive effects of exposure to environmental stressors, to include chemicals, particulate matter, noise, temperature/humidity and altitude effects, in addition to other physiological stressors (such as fatigue, dehydration, etc).

The research participant will participate in neurophysiological data collection for several projects involving electroencephalography (EEG) occurring within the next year. Having already established a proficiency in this recording technique and subsequent signal processing, the participant will be able to leverage their experience while enhancing their knowledge base concerning neurophysiology and EEG. The proposed internship reflects a role of on-going activity throughout the year regarding data collection, signal processing, and data analysis. Upon completion of the term, the participant will be able to claim authorship in multiple presentations while enhancing their knowledge base of an original approach to psychobiology and neurophysiology.

Appointment Length

An ORISE appointment period can be up to one year in length. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

Participant Benefits

Participants 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

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- 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.

Qualifications

The ideal candidate should be a Neuroscience or Psychology major with a GPA of 3.0 or higher. An individual with previous research experience is desired. Specifically, knowledge with testing human participants using behavioral, perceptual, or electroencephalography methods. Completed coursework in cognition, learning, perception, or introductory neuroscience are needed.

Eligibility Requirements

- **Degree:** Associate's Degree or Bachelor's Degree received within the last 60 months or currently pursuing.
- **Overall GPA:** 3.00
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Communications and Graphics Design** (1 👁)
  - **Computer, Information, and Data Sciences** (16 👁)
  - **Earth and Geosciences** (21 👁)
  - **Engineering** (27 👁)
  - **Environmental and Marine Sciences** (14 👁)
  - **Life Health and Medical Sciences** (45 👁)
  - **Mathematics and Statistics** (10 👁)
  - **Other Non-Science & Engineering** (5 👁)
  - **Physics** (16 👁)
  - **Science & Engineering-related** (1 👁)
  - **Social and Behavioral Sciences** (28 👁)
- **Age:** Must be 18 years of age