

**Opportunity Title:** Post-Doctoral Research - Health Study on Sleep

**Opportunity Reference Code:** NAMRU-Dayton-2021-0009



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

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

## Description

The Naval Medical Research Unit Dayton (NAMRU-D) supports the warfighter through premier aerospace medicine and environmental health research. NAMRU-D performs research on the effects of unique military settings and operational environments.

### What will I be doing?

Under the guidance of a mentor, you will engage in a research project that investigates the effects of motion on sleep in a multi-phase study. The general objectives of the project are (i) to develop a new "Sleep Disruption Motion Bed" (SDMB) for studying the impacts of motion on sleep, (ii) to begin to quantify thresholds for motion stimuli that disrupt sleep, and (iii) to begin to develop those mitigation strategies that could help minimize the impacts of vehicular motion (e.g., turbulence during air transport) on sleep. The study will involve testing human subjects to address these objectives and provides a hands-on, educational experience with various physiological/behavioral measurement technologies, including but not limited to the following areas: sleep, subjective perceptual responses, electromyography, and electroencephalography. In addition, you will analyze data, contribute to manuscript and grant preparation, present findings at scientific conferences, and learn about DoD collaborations with Air Force, Army, and University colleagues.

### 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 appointment is a full-time, twelve month 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 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

You 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

You should hold a Ph.D. or equivalent in a relevant research area such as bioengineering, biology, neuroscience, psychology, or physiology and have a track record in behavioral research with the potential for scientific success. Knowledge in the field of sleep research is desired. The

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applicant should have a keen interest in sleep disruption and sleep deprivation research, human behavior/performance during motion, excellent writing and oral communication skills, and experience in data analysis. Occasional research outside the traditional hours will be required during data collection periods (evenings and nights).










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 (blacked 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](mailto:navy@orise.orau.gov). Please list the reference code of this opportunity NAMRU-Dayton-2021-0009 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.

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## Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Communications and Graphics Design** (2 )
  - **Earth and Geosciences** (21 )
  - **Engineering** (27 )
  - **Environmental and Marine Sciences** (14 )
  - **Life Health and Medical Sciences** (46 )
  - **Other Non-S&E** (2 )
  - **Other Physical Sciences** (12 )
  - **Physics** (16 )
  - **Social and Behavioral Sciences** (20 )