

**Opportunity Title:** Sleep and Chronobiology Research  
**Opportunity Reference Code:** MRMC-WRAIR-2019-0019

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

**Reference Code** MRMC-WRAIR-2019-0019

**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](#)
- Recommendations

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.

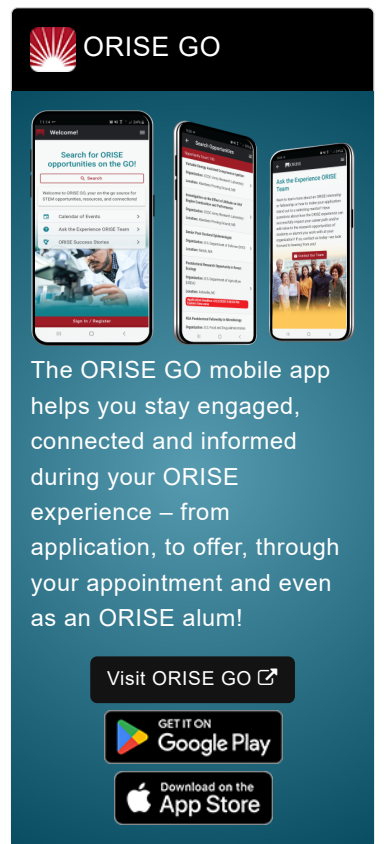
If you have questions, send an email to [ARMY-MRMC@ORISE.ORAU.gov](mailto:ARMY-MRMC@ORISE.ORAU.gov). Please list the reference code of this opportunity in the subject line of the email.

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

**Description** The Walter Reed Army Institute of Research (WRAIR) is the largest biomedical research institute in the Department of Defense with a 125-year history in militarily relevant infectious diseases and brain health research. WRAIR has served as a model for the world in the development of vaccines, therapeutics and diagnostics for the most pressing infectious diseases of concern to soldier health and global health. All components of infectious diseases research and development are conducted at the Institute laboratories and facilities. WRAIR also hosts summer education programs for middle and high school students in science, technology, education and mathematics.


The mission of the Behavioral Biology Branch is the exploration and development of strategies and technologies for monitoring, preventing, and/or reversing the decremending effects of sleep loss, stress, and fatigue on cognitive performance to enhance Warfighter operational judgment and decision-making. Participants will have the opportunity to be involved in human subjects research which involves sleep deprivation, sleep restriction, drug effects, brain imaging, and working with operational units. The research involves all aspects of sleep and the circadian system and could include nights, weekends, and holidays as studies are often run with multiple in-laboratory phases and are 24-hour operations. Participants will administer cognitive computer, paper & pencil tasks to participants; apply and maintain polysomnographic (PSG) electrodes and equipment; apply electrocardiogram (EKG) electrodes and equipment; prepare biological samples for processing (blood, urine, saliva); screen potential subjects for research studies; and perform data entry and literature reviews. Participants will have the opportunity to be involved with research investigators to perform data analysis, protocol and task development. Participants may have the opportunity to participate in operational field research which involves working with military units to administer and collect surveys, collect biological samples, perform ambulatory assessment of sleep/wake patterns, and collect real world physical and cognitive performance data. This is a great opportunity for individuals seeking higher degrees such as master's, doctoral, and medical. This is an ongoing opportunity posting and applicants will be reviewed on an as needed basis by WRAIR. Please note that there are no deadlines for application submission.


**Appointment Length**




**ORISE GO**

The ORISE GO mobile app helps you stay engaged, connected and informed during your ORISE experience – from application, to offer, through your appointment and even as an ORISE alum!

Visit ORISE GO 

GET IT ON  
 **Google Play**

Download on the  
 **App Store**

**Opportunity Title:** Sleep and Chronobiology Research  
**Opportunity Reference Code:** MPMC-WRAIR-2019-0019

This appointment is a 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.

**Participant Benefits**

Participants will receive a stipend to be determined by WRAIR. 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.

**Qualifications** Educational Background in the following areas is preferred: neuroscience, computer science, psychology, engineering, and/or biology

Desired skills: experience with statistical software packages (i.e. SAS, SPSS, GraphPad Prism); experience with MATLAB, ePRIME, R; proficient in Microsoft Office products (i.e. MS Word, Excel, PowerPoint); human subjects protection training will be required; basic life support (BLS) will be required.

- 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](#) )
    - **Communications and Graphics Design** ([2](#) )
    - **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** ([2](#) )
    - **Physics** ([16](#) )
    - **Science & Engineering-related** ([1](#) )
    - **Social and Behavioral Sciences** ([27](#) )