Opportunity Title: Cognitive Neuroscience - Neurobiology Postdoctoral Researcher
Opportunity Reference Code: AFRL-711HPW-2021-0004

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
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. Click here for detailed information about acceptable transcripts.
- One Required Recommendation

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 **AIRFORCE@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 711th Human Performance Wing (711 HPW), headquartered at Wright-Patterson Air Force Base in Ohio, is the first human-centric warfare wing to consolidate human performance research, education, and consultation under a single organization. Established under the Air Force Research Laboratory (AFRL), the 711 HPW is comprised of the Airman Systems Directorate (RH) and the United States Air Force School of Aerospace Medicine (USAFSAM). For more information about the Air Force Research Laboratory, 711 Human Performance Wing, Airman Systems Directorate, Airman Biosciences Division, please visit https://afresearchlab.com/.

The postdoctoral participant selected for this opportunity will provide support for the Neurobiology Team research projects. Within this team, research is conducted to understand the biological mechanisms that affect cognitive performance, utilizing physiological and behavioral testing to examine the neurobiological changes that occur following treatment. Current research projects within the laboratory include a study on neural modulation via vagus nerve stimulation (VNS) and a study on intranasal peptide administration for stress resiliency. Both projects are designed to understand the biological mechanisms (e.g. gene expression and cell signaling pathways) by which brain function is modulated. Under the guidance of a mentor, the ORISE participant will take part in training personnel to strengthen their knowledge of scientific management. In

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addition, the participant will gain experience in experimental design, data collection and analysis, as well as manuscript writing and presenting results.

Appointment Length

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 AFRL. 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

Candidates should have a background in neuroscience and research experience with cellular and molecular biology.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 24 months or anticipated to be received by 5/31/2021 12:00:00 AM.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Life Health and Medical Sciences** (46 👁)
- **Age:** Must be 16 years of age