

**Opportunity Title:** Air Force Research Laboratory (AFRL) - Postdoctoral  
Researcher - Cognitive Neuroscience  
**Opportunity Reference Code:** AFRL-711HPW-2021-0004R

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

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**How to Apply** Click on *Apply* at the bottom of the opportunity to start your application.

**Description** The U.S. Air Force Research Laboratory (AFRL) is offering postdoctoral internships at the Wright-Patterson Air Force Base.

#### What will I be doing?

You will join a community of scientists and researchers in an effort to enhance your skills in neuroscience.

As the postdoctoral participant selected for this opportunity, you 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.

#### Why should I apply?

This research opportunity will allow you to gain hands-on experience to complement your education and support your academic and professional goals. Along the way, you will engage in activities and research in several areas. Under the guidance of a mentor, you may take part in training personnel to strengthen your knowledge of scientific management. You may also gain experience in designing experiments, collecting and analyzing data, writing manuscripts, and presenting results.

#### Where will I be located?

Dayton, Ohio

#### What is the anticipated start date?

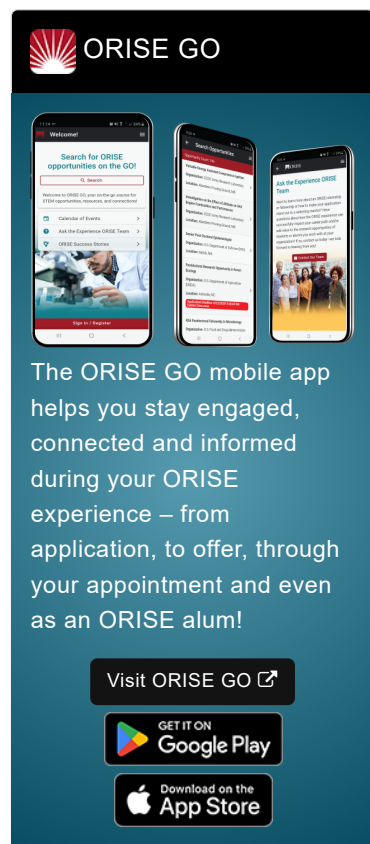
AFRL is ready to make appointments immediately. Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and internships will be filled as qualified candidates are identified.

#### What is the appointment length?

Appointments are initially for one year with the option to extend the appointment for up to four additional years, contingent upon project needs and funding availability.

#### What are the benefits?

Participants will receive a stipend to be determined by AFRL. Stipends are



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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

#### **About AFRL 711 HPW**

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/>.

#### **About ORISE**

This program, administered by Oak Ridge Associated Universities (ORAU) through its contract with the U.S. Department of Energy (DOE) to manage the Oak Ridge Institute for Science and Education (ORISE), was established through an interagency agreement between DOE and DoD. Participants do 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. Proof of health insurance is required for participation in this program. Health insurance can be obtained through ORISE. For more information, visit the [ORISE Research Participation Program at the U.S. Department of Defense](#).

**Qualifications** The qualified candidate will have a doctoral degree or will have completed a doctoral degree by August 31, 2021. Degree must have been received within two years of the appointment start date.

Highly competitive applicants will have education and/or experience in one or more of the following:

- Background in neuroscience
- Research experience with cellular and molecular biology

#### **Application Requirements**

A complete application consists of:

- Zintellect Profile
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the

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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 Recommendation

If you have questions, send an email to [AIRFORCE@orise.orau.gov](mailto:AIRFORCE@orise.orau.gov). Please list the reference code [AFRL-711HPW-2021-0006R] of this opportunity in the subject line of the email.

**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:** Doctoral Degree received within the last 24 months or anticipated to be received by 8/31/2021 12:00:00 AM.
  - **Discipline(s):**
    - **Chemistry and Materials Sciences** ([12](#) )
    - **Life Health and Medical Sciences** ([46](#) )
  - **Age:** Must be 16 years of age