

Opportunity Title: AFRL: Brain-Computer Interface Research Fellowship

Opportunity Reference Code: AFRL-711HPW-2024-0009

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 an internship in the Applied Cognitive Neuroscience Core Research Area of the Human Effectiveness Directorate, 711th Human Performance Wing, Air Force Research Laboratory, located at Wright-Patterson AFB, OH (near Dayton, OH).

What will I be doing?

As an ORISE participant, you will gain experience in research activities involving passive brain-computer interfaces. Throughout your participation you will integrate with a large, multi-disciplinary team of scientists and engineers collaborating together to execute human subjects research activities in this research area. You will have the opportunity to lead human subjects' data collection and analysis efforts (with appropriate mentorship) involving passive brain-computer interfaces (in a laboratory or otherwise controlled setting).

Why should I apply?

Under the guidance of a mentor, you will gain hands-on experience to complement your education and support your academic and professional goals. This includes but is not limited to, collaborating within a diverse team, diversity of technical exposure, and executing and iterating the research process from idea inception to publication.

Participating in human subjects research is a unique experience that will guide you to a fuller understanding of the involved responsibilities, which has application to both clinical and non-clinical research. You will learn effective, functional knowledge about human physiology, behavior, and cognition, basic electronics and computer equipment function and maintenance, statistics, data analysis, and technical writing; all of these skillsets developed in this opportunity are highly transferrable.

Where will I be located?

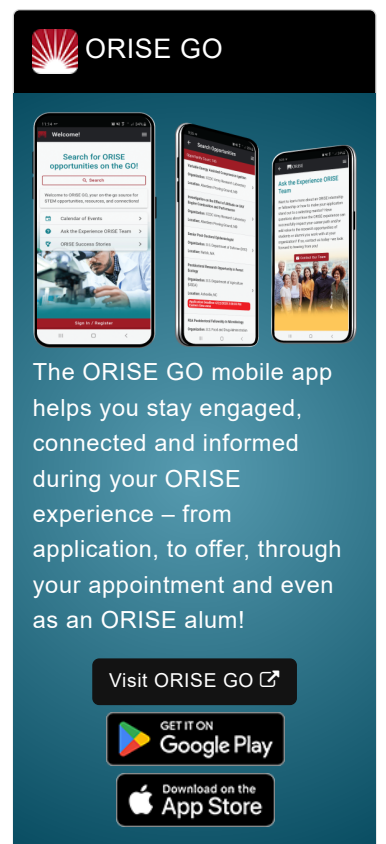
Wright-Patterson Air Force Base, Dayton, Ohio

What is the anticipated start date?

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 fellowships will be filled as qualified candidates are identified.

What is the appointment length?

This appointment is a twelve-month research appointment, with the possibility to be renewed for additional research periods. Appointments may



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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 AFRL. Stipends are typically based on a 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

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 must have completed or currently be pursuing a bachelor's or master's degree. Degree must be received within six months.

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 - Please upload a copy of a transcript for your current or most recent degree program that meets the disciplinary qualifications of the opportunity. [Click here for detailed information about acceptable transcripts.](#)
- One Recommendation. We encourage you to contact your recommender as soon as you start your application to ensure they are able to complete the recommendation form and to let them know to expect a message from Zintellect. Recommenders will be asked to rate your scientific capabilities, personal characteristics, and describe how they know you. You can always log back in to your Zintellect account and check the status of your application.

If you have questions, send an email to AIRFORCE@orise.orau.gov. Please list the reference code of this opportunity AFRL-711HPW-2024-0009 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:** Bachelor's Degree or Master's Degree received within the last 60 months or anticipated to be received by 1/1/2025 11:59:00 PM.
 - **Discipline(s):**
 - **Communications and Graphics Design** ([2](#))
 - **Computer, Information, and Data Sciences** ([17](#))
 - **Engineering** ([27](#))
 - **Life Health and Medical Sciences** ([48](#))
 - **Social and Behavioral Sciences** ([7](#))