

Opportunity Title: Human Cognition Research Fellowship

Opportunity Reference Code: USAFA-2021-0002

Organization

U.S. Department of Defense (DOD)

Reference Code

USAFA-2021-0002

How to Apply

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

Description

The Air Force Research Laboratory is offering postgraduate fellowships at the U.S. Air Force Academy.

What will I be doing?

As an ORISE participant, you will join a community of scientists and researchers in an effort to conduct research in social robotics, autonomous driving, and related projects. You will investigate the design and psychological consequences of

- robotics
- experimental design
- social psychology
- autonomy/AI

You will also mentor and coach junior scientists, including undergraduate research students.

Where will I be located? Colorado Springs, Colorado

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 internships or fellowships 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?

You will receive a stipend to be determined by USAFA. 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 USAFA

The Warfighter Effectiveness Research Center is the research arm of the Department of Behavioral Sciences and Leadership at the United States Air Force Academy, facilitating faculty and cadet research that enhances warfighter effectiveness. The WERC conducts a wide range of research and design projects for operational customers including special operations forces, the Air Force Office of Scientific Research, Air Force Research Laboratory, and Army Research Laboratory. These projects are based in the behavioral sciences and connect to a wide range of disciplines and collaborators across government labs, academia, industry, and military operators in order to generate the most innovative and effective solutions. Studies involve cadets and their educational outcomes are a top priority in any research conducted in the WERC. Please see our website for more information about the Warfighter Effectiveness Research Center: <https://www.usafa.edu/research/research-centers/warfighter-effectiveness-research-center/>

About ORISE

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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 Master's or Doctoral degree, earned within the last 5 years or awaiting graduation by December 31, 2021.

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

- Human-robot interaction
- Human-automation interaction
- Augmented and virtual reality
- Human Factors, HCI, applied psychology, social psychology, computer science,
- and/or systems engineering
- Programming in python, unity, and/ or ROS
- Critical evaluation of literature
- Experimental design
- Project management
- Data analysis techniques
- Fluency in a programming language or statistical analysis software (SPSS,
- SAS, R, MATLAB, etc.) is a plus
- Data Interpretation ?

Ability to communicate effectively through the following media:

- Conference briefings and talks to high profile stakeholders
- Grant application and white paper development and writing
- Scientific publications

Application Requirements

A complete application consists of:

- Zintellect Profile
- 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.](#)
- 1 Recommendation ?

If you have questions, send an email to AIRFORCE@orise.orau.gov. Please list the reference code of this opportunity USAFA-2021-0002 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.

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!

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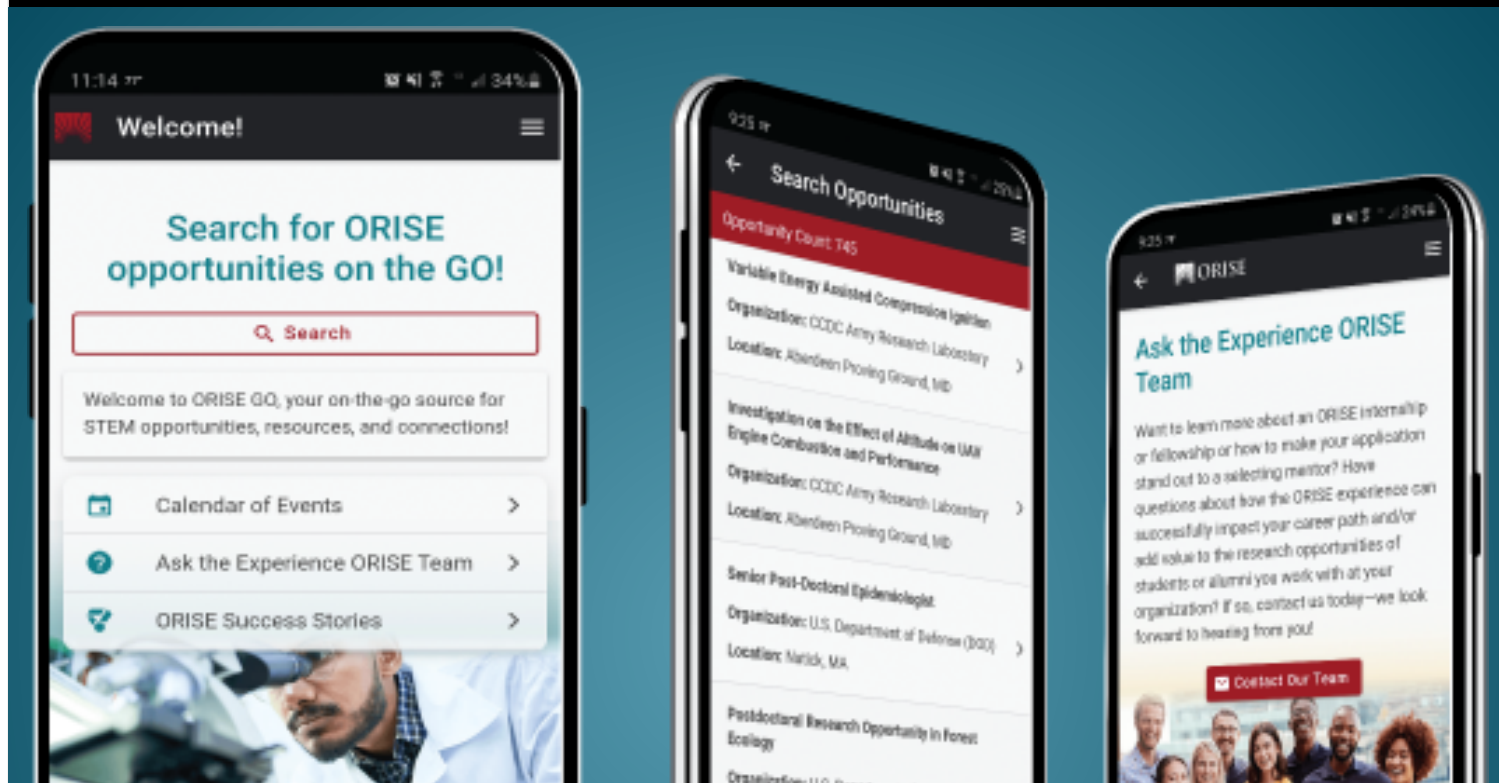
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Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Master's Degree or Doctoral Degree received within the last 60 months or anticipated to be received by 12/31/2021 11:59:00 PM.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Communications and Graphics Design** ([6](#) )
 - **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** ([28](#) )

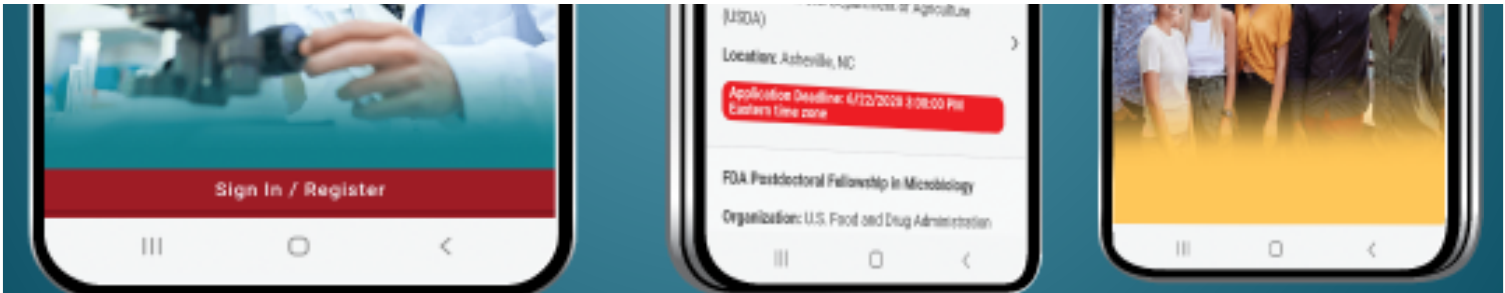


OAK RIDGE INSTITUTE FOR SCIENCE AND EDUCATION



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