

Opportunity Title: Research Fellowship - Biology
Opportunity Reference Code: AFRL-711HPW-2024-0013

Organization U.S. Department of Defense (DOD)

Reference Code AFRL-711HPW-2024-0013

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

Application Deadline 12/31/2024 3:00:00 PM Eastern Time Zone

Description The Radio Frequency Bioeffects Branch (RHDR) of the Air Force Research Laboratory (AFRL) is seeking an individual with a graduate degree in cellular and molecular biology, biomedical engineering, or other biology related fields for a research fellowship at the Air Force Research Laboratory location at JBSA Fort Sam Houston, in San Antonio, Texas.

What will I be doing?

As an Oak Ridge Institute for Science and Education (ORISE) participant, you will join the RHDR community of scientists and researchers to investigate the impact of the Air Force relevant external stressors on mammalian cells, understand the mechanisms of action, and explore the possibility of restoring, maintaining, or enhancing cellular response to relevant stress exposures.

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. Along the way, you will engage and assist with activities and research in several areas. These include, but are not limited to,

- *In vitro* research studies to characterize the biological effects of stress exposure.
- Implementing best techniques for observation and measurement of induced changes in tissue morphology and functionality.
- Collaborating and coordinating with other scientists and engineers in the fields of cellular and molecular biology, imaging, and data processing.
- Maintaining familiarity with current published literature in the field.
- Presenting study methods and results in the form of PowerPoint slides, technical reports, conference proceedings, and peer-reviewed journal articles.

Where will I be located?

San Antonio, Texas

What is the anticipated start date?

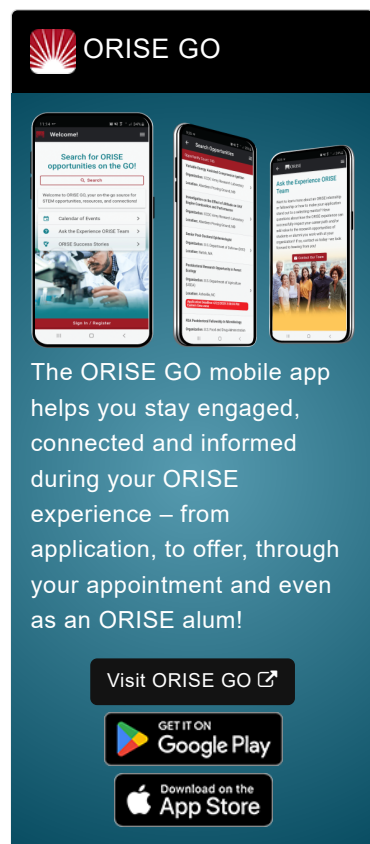
Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and fellowships will be filled as qualified candidates are identified.

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 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:



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: Research Fellowship - Biology

Opportunity Reference Code: AFRL-711HPW-2024-0013

- Health Insurance Supplement (*Participants are eligible to purchase health insurance through ORISE*)
- Relocation Allowance
- Training and Travel Allowance

About AFRL

The Radio Frequency Bioeffects Branch (RHDR) of the Air Force Research Laboratory (AFRL) is seeking an individual with a graduate degree in cellular and molecular biology, biomedical engineering, or other biology related fields. Under the guidance of US Air Force Research Lab scientists, this individual will support projects investigating the biological effects of Air Force relevant environmental stressors, including electromagnetic fields, temperature fluctuation, hypoxia, etc. This will be a full-time research appointment based at the Air Force Research Laboratory location at JBSA Fort Sam Houston, in San Antonio, Texas.

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 graduate degree or be currently pursuing a degree in cellular and molecular biology, biomedical engineering, or other biology related fields. Degree will have to be completed by December 31, 2024.

Highly competitive applicants will have:

- Knowledge of cellular and molecular biology techniques
- Knowledge of Florescence microscopy
- Track record of publications that demonstrate experience

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 - 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(s) 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




Opportunity Title: Research Fellowship - Biology
Opportunity Reference Code: AFRL-711HPW-2024-0013

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-2024-0013 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!

- 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 12/30/2024 12:00:00 AM.
 - **Discipline(s):**
 - **Engineering** ([2](#) )
 - **Environmental and Marine Sciences** ([1](#) )
 - **Life Health and Medical Sciences** ([51](#) )