

Opportunity Title: Postdoctoral Fellowship with AFRL's Enroute Care

Collaboration at UMB STAR Center

Opportunity Reference Code: AFRL-711HPW-2022-0016

Organization U.S. Department of Defense (DOD)

Reference Code AFRL-711HPW-2022-0016

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 a postdoctoral fellowship to support the AFRL 711 Human Performance Wing (711 HPW), Airman Biosystems Division, Product Development Branch, Enroute Care Section (RHBAM) in their research collaboration with the University of Maryland, Baltimore (UMB). The successful candidate will conduct scientific research at the UMB Center for Shock, Trauma and Anesthesiology Research (STAR Center), a world-class, multi-disciplinary research and education center focusing on critical care and organ support, resuscitation, surgical outcomes, patient safety and injury prevention.

What will I be doing?

As an ORISE participant, you will join a community of scientists and researchers in an effort to strengthen your skills in molecular biology, biochemistry, immunology, and physiology.

Under the guidance of a mentor, you will gain hands-on experience to complement your education and support your academic and professional goals. The research group is currently seeking a highly trained and motivated postdoctoral fellow to join their Translational Research Program to investigate the role of extracellular vesicles (EVs) and microRNA-mediated innate immune signaling in 1) brain injury, 2) acute lung injury, 3) coagulopathy in trauma and sepsis. These translational projects involve both humans and mice.

The research group consists of two junior faculty co-investigators, two research specialists, one clinical research assistant, and one program administrative assistant. The principal investigator has over 25 years of experience in the study of the molecular and cellular mechanisms of sepsis, traumatic injury, and ischemic myocardial injury.

Where will I be located?

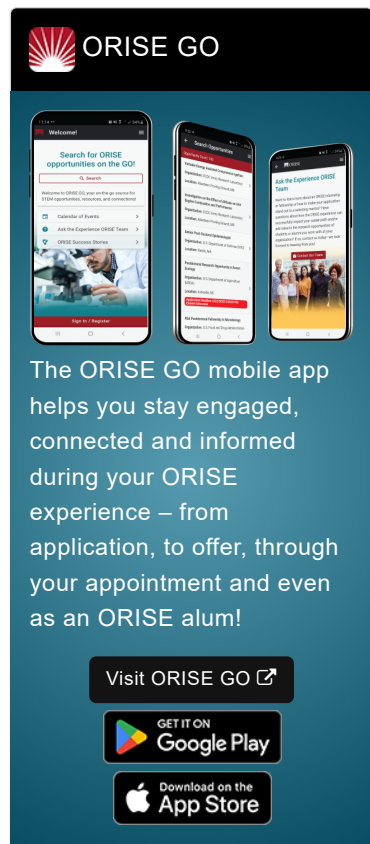
Baltimore, Maryland

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 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.



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: Postdoctoral Fellowship with AFRL's Enroute Care

Collaboration at UMB STAR Center

Opportunity Reference Code: AFRL-711HPW-2022-0016

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 711 HPW

The 711 HPW is 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 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 711th Human Performance Wing, 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 PhD or MD with 2-4 years of research experience in molecular/cell biology, physiology, pharmacology, neuroscience, and immunology. Additionally, the ideal candidate should have excellent written and oral communication skills and independent ability to design and execute experiments. Candidates must have received their degree within five years of the appointment start date and must not have more than five years postdoctoral research experience.

Highly competitive applicants will have two or more first authored, published research manuscripts, and education and/or experience in one or more of the following:

- Molecular biology techniques (including Western blot, Cell culture, ELISA, Flow cytometry, RNA/DNA extraction, qPCR, RT-PCR)
- Animal handling (specifically mouse handling)
- Excellent communication including data analysis and interpretation
- MS Word, Powerpoint, Excel, Photoshop, Illustrator

Opportunity Title: Postdoctoral Fellowship with AFRL's Enroute Care

Collaboration at UMB STAR Center

Opportunity Reference Code: AFRL-711HPW-2022-0016

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.](#)
- One Recommendation. Your application will be considered incomplete and will not be reviewed until one recommendation is submitted. 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.ora.gov. Please list the reference code of this opportunity [AFRL-711HPW-2022-0016] 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:** Doctoral Degree received within the last 60 month(s).
 - **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Communications and Graphics Design** ([2](#) )
 - **Computer, Information, and Data Sciences** ([17](#) )
 - **Earth and Geosciences** ([21](#) )
 - **Engineering** ([27](#) )
 - **Environmental and Marine Sciences** ([14](#) )
 - **Life Health and Medical Sciences** ([48](#) )
 - **Mathematics and Statistics** ([11](#) )
 - **Physics** ([16](#) )
 - **Science & Engineering-related** ([2](#) )

Opportunity Title: Postdoctoral Fellowship with AFRL's Enroute Care
Collaboration at UMB STAR Center

Opportunity Reference Code: AFRL-711HPW-2022-0016

- **Social and Behavioral Sciences** ([28](#) )