

**Opportunity Title:** WRAIR - Biochemistry Research Opportunity

**Opportunity Reference Code:** MRDC-WRAIR-2025-0018

**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 Department of Defense (DoD) is offering post graduate bachelor's or master's internship at the Walter Reed Army Institute of Research (WRAIR).

#### Why should I apply?

As an ORISE participant and under the guidance of a mentor, your research area focus will be projects for antibacterial development. The hypothesis is that proteins required for bacterial viability, virulence and pathogenicity are targets for therapeutic development. You will learn and perform in-vitro screening methods to include checkerboard, MIC, biofilm, time-kill, zone of inhibitions, bacterial culture and bacterial quantification. You will gain experience with in vivo experiments (drug dosing, animal necropsy and surgery, animal infection), perform sample and data management (collect, analyze, and enter experimental data), maintain up to date laboratory notebook, report findings to PIs, and present data during lab meetings. As WRAIR prepares you for the labor force, you will gain valuable insights needed to become a professional scientist and federal laboratory protocols. In addition, your mentor will develop learning objects to fit your personal career development goals, while providing guidance and education that will prepare you for your future.

#### Where will I be located?

Bethesda, Maryland

#### What is the anticipated start date?

WRAIR 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 or 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.

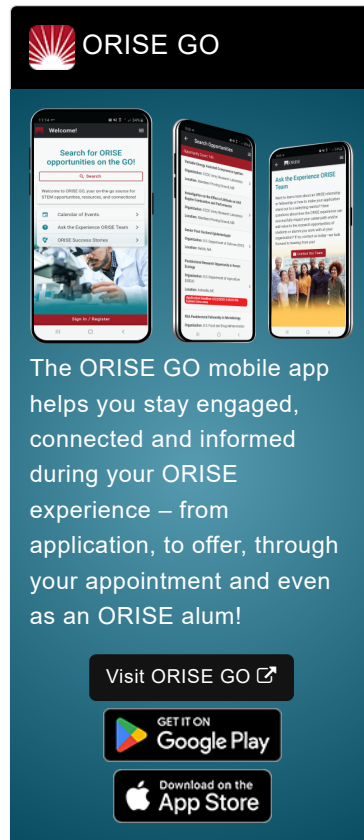
#### What are the provisions?

You will receive a stipend to be determined by WRAIR. Stipends are 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 WRAIR

The Walter Reed Army Institute of Research (WRAIR) aims to conduct biomedical research that is responsive to Department of Defense and U.S. Army requirements and delivers lifesaving products

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including knowledge, technology and medical material that sustain the combat effectiveness of the warfighter. For more information about the WRAIR, please visit [Army Home](#).

#### **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 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 bachelor's or master's degree in biochemistry, chemistry, biology, biophysics, or a related discipline. Degree must have been received within five years of the appointment start date.

#### **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.](#)
- Two Recommendations. 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 always log back in to your Zintellect account and check the status of your application.

If you have questions, send an email to [ARMY-MRMC@orise.ora.gov](mailto:ARMY-MRMC@orise.ora.gov). Please list the reference code of this opportunity [MRDC-WRAIR-2025-0018] 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!

**Point of Contact** [Kimberly](#)

**Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree or Master's Degree received within the last

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60 month(s).

- **Minimum Overall GPA:** 2.50

- **Discipline(s):**

- **Life Health and Medical Sciences** ([14](#) )

- **Science & Engineering-related** ([1](#) )