

Opportunity Title: Biomedical/Biochemical Engineer Internship at MRICD

Opportunity Reference Code: MRMC-MRICD-2022-0001

Organization U.S. Department of Defense (DOD)

Reference Code MRMC-MRICD-2022-0001

How to Apply

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

Description The U.S. Army Medical Research Institute of Chemical Defense (USAMRICD) is the Department of Defense's lead laboratory for medical chemical defense research. As a subordinate element of the U.S. Army Medical Research and Materiel Command (USAMRMC), the institute conducts research for development of medical countermeasures to treat exposure to various chemical threat agents for protection of soldiers and civilians. Scientific disciplines at USAMRICD include, but are not limited to, chemistry, biology, biochemistry, pharmacology, molecular biology, neuroscience, toxicology, physiology, psychology, and immunology. Visit us on Facebook at www.facebook.com/USAMRICD.

What will I be doing?

This opportunity supports the development of medical diagnostics that can help guide medical treatment after detection of acute exposure to highly toxic chemical agents on and off the battlefield. Projects begin at the proof-of-concept stage and progress to in-vitro, ex-vivo, and in-vivo studies involving animal models when appropriate. Prototype development often takes place during the R&D phase allowing a hands-on role in medical device development. Trainings involved with this appointment may include animal model handling and safety.

Why should I apply?

Under the guidance of a mentor, you will gain hands-on experience and have an active role in the laboratory in all aspects to include:

- Concept development
- Prototype development
- Data collection
- Instrumentation operation

You will also participate in developing results for reporting and writing manuscripts for peer-reviewed publications.

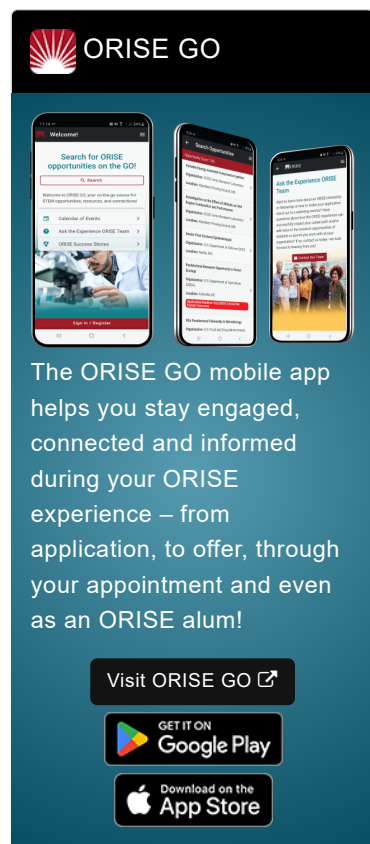
Where will I be located?

Aberdeen Proving Ground, Maryland

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?



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: Biomedical/Biochemical Engineer Internship at MRICD

Opportunity Reference Code: MRMC-MRICD-2022-0001

You will receive a stipend to be determined by USAMRICD. 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 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 Applicant must have received a Bachelor's or Master's degree within the last 2 years or may be currently pursuing a Master's degree in Biomedical or Biochemical Engineering or a related discipline.

Preferred Qualities:

- Basic laboratory skills, with interests in biomedical engineering, biochemistry, chemistry, electro-chemistry, and toxicology in general
- Effective writing and speaking skills
- Ability to comfortably operate in a research team environment
- Ability to operate independently when needed
- Willingness to learn new skills
- Proficiency with MS Office software products
- Interest in materials science, especially in the field of polymer chemistry, is a bonus

The successful applicant will be required to comply with Environmental, Safety and Health (ES&H) requirements of the host facility, including but not limited to COVID-19 requirements (e.g. facial covering, physical distancing, testing, vaccination).

Application Requirements

A complete application consists of:




- Zintellect Profile

Opportunity Title: Biomedical/Biochemical Engineer Internship at MRICD

Opportunity Reference Code: MPMC-MRICD-2022-0001

- 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.](#)

If you have questions, send an email to army-mPMC@orise.orau.gov.

- | | |
|---------------------------------|--|
| Eligibility Requirements | <ul style="list-style-type: none">• Citizenship: U.S. Citizen Only• Degree: Bachelor's Degree or Master's Degree received within the last 24 months or currently pursuing.• Overall GPA: 3.00• Discipline(s):<ul style="list-style-type: none">◦ Chemistry and Materials Sciences (1 )◦ Engineering (1 )◦ Life Health and Medical Sciences (3 )• Age: Must be 18 years of age• Veteran Status: Veterans Preference, degree received within the last 120 month(s). |
|---------------------------------|--|