

Opportunity Title: MRICD Synthetic/Medicinal Chemist Research Fellow - Postdoctoral

Opportunity Reference Code: MRDC-MRICD-2022-0008

Organization U.S. Department of Defense (DOD)

Reference Code MRDC-MRICD-2022-0008

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 Development and Materiel Command (USAMRDC), 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?

Under the guidance of a mentor, you will be involved with the development of novel medical countermeasures for chemical warfare agents (CWAs) and will conduct research that will uncover new classes of compounds for exploration as potential countermeasures against chemical and biological warfare agents; determine structure-activity relationships and identify structural features important to specific types of pharmacological activity; design novel synthetic pathways to unknown compounds; and formulate and carry out synthetic procedures leading to compounds which maximize the desired properties. As an ORISE participant at USAMRICD, you will employ a broad and thorough knowledge of chemistry and various branches of life sciences to ensure the technical soundness of the research programs and will keep current on the latest developments in sciences and synthetic procedures so that new advances can be applied without delay to the solution of problems in later development phases.

Where will I be located?

Aberdeen Proving Ground, Maryland

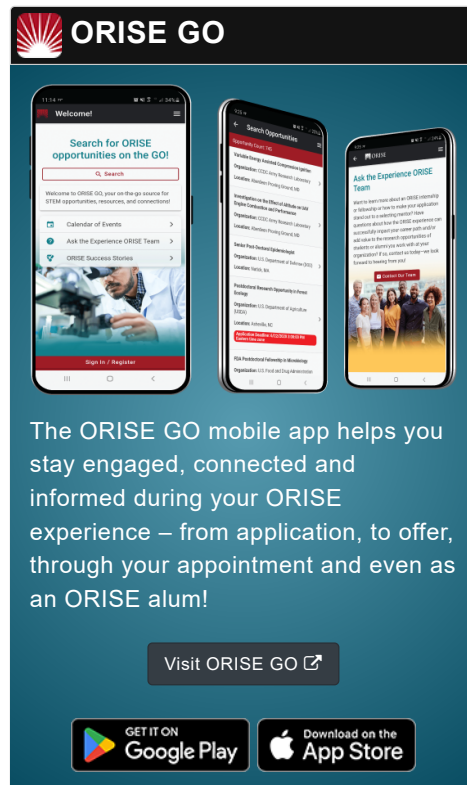
What is the appointment length?

USAMRICD is prepared to begin this appointment as soon as possible and will review applications on an ongoing basis until a candidate is selected. 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 USAMRICD. 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

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- 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 should have completed a Ph.D. in Chemistry with a focus on synthesis and medicinal chemistry by no later than August 31, 2022.

Must be a U.S. Citizen.

Preferred skill-set and/or experience:

Highly preferred experience includes experiment planning and execution, NMR, LCMS, and Chromatography

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](#).

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



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

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 8/31/2022 11:59:00 PM.
- **Overall GPA:** 3.00
- **Discipline(s):**

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- **Chemistry and Materials Sciences** (12 )
- **Environmental and Marine Sciences** (1 )
- **Life Health and Medical Sciences** (45 )
- **Age:** Must be 18 years of age
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).