

**Opportunity Title:** U.S. Army MRICD Inhalation Toxicology Researcher - Postdoctoral

**Opportunity Reference Code:** MPMC-MRICD-2022-0010

**Organization** U.S. Department of Defense (DOD)

**Reference Code** MPMC-MRICD-2022-0010

**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](https://www.facebook.com/USAMRICD).

#### Why should I apply and what will I be doing?

Under the guidance of a mentor, you will gain hands-on experience to complement your education and support your academic and professional goals. As part of the Inhalation Toxicology Team, you will gain research experience focused in the design and use of *in vivo* and *in vitro* inhalation exposure models to develop medical countermeasures against chemical threat agents. In addition, you will participate in research projects to characterize the toxic effects of chemical agents and/or toxic industrial chemicals on physiology and biochemistry/molecular biology, which will lead to the identification of therapeutic targets and candidate drugs.

#### 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.

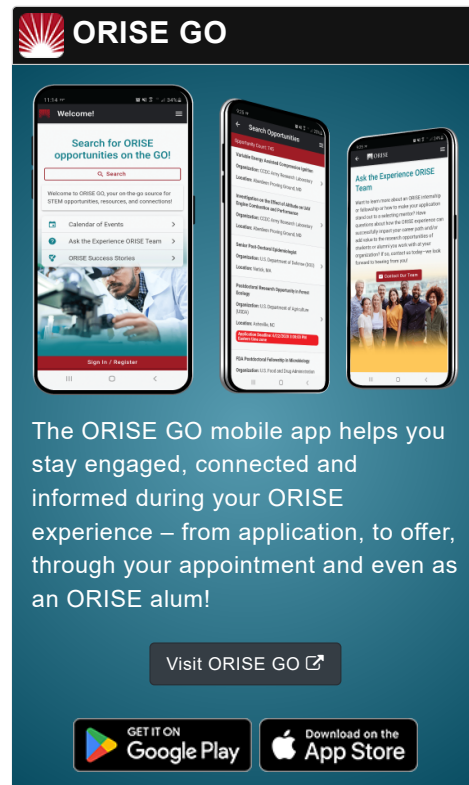
#### What are the benefits?

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:

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

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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 biochemistry, molecular biology, chemical engineering, chemistry, or a related field within the past five years.

Experience with at least one of the following is highly desired: inhalation exposure, aerosol generation, *in silico* modeling, or biochemical assay development.

Candidate must be willing to handle animals, human tissues, and cultured cells.

Must be a U.S. Citizen.

## 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)
- Two Recommendations
- 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](mailto: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 6/30/2022 11:59:00 PM.
- **Academic Level(s):** Graduate Students or Postdoctoral.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 )
  - **Communications and Graphics Design** (2 )
  - **Computer, Information, and Data Sciences** (17 )
  - **Earth and Geosciences** (21 )
  - **Engineering** (27 )

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- **Environmental and Marine Sciences** (14 )
- **Life Health and Medical Sciences** (48 )
- **Mathematics and Statistics** (11 )
- **Physics** (16 )
- **Science & Engineering-related** (2 )
- **Social and Behavioral Sciences** (28 )
- **Age:** Must be 18 years of age
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).