

**Opportunity Title:** USAMRICD Neuroscience Internship: Post-Bachelor or Masters Level

**Opportunity Reference Code:** MPMC-MRICD-2022-0015

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

**Reference Code** MPMC-MRICD-2022-0015

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

**Description** The USAMRICD is offering a post-bachelor or masters level opportunity to participate in laboratory experiments focused on identifying and screening improved medical countermeasures against seizure-inducing chemicals.

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

The research study objectives are to evaluate the toxicity of chemical agents in animal models and to evaluate the neuropathological and neuroinflammatory responses that may contribute to the development of epileptogenesis, neurodegeneration and long-term behavioral impairments and to evaluate anti-seizure medications for efficacy against chemical-induced seizure and seizure-associated brain damage. The research will provide you with hands-on laboratory experience in small animal models used in medical research.

Under the guidance of a mentor, you will gain hands-on experience to complement your education and support your academic and professional goals. This includes, but is not limited to:

- Learning basic laboratory skills and techniques
- Assisting with small animal surgery to implant electroencephalographic (EEG) telemetry transmitters for continuous EEG measurement
- Preparing chemicals for drug assessments studies
- Conducting histological assessments to identify loss of neurons and gliosis
- Compiling data in spreadsheets, graphically represent data and conduct statistical analysis of data
- Preparing posters and slides for scientific presentations

For more information or inquiries about this opportunity, please contact Dr. Lucille Lange at [lucille.a.lange.civ@health.mil](mailto:lucille.a.lange.civ@health.mil).

**Where will I be located?**

Aberdeen Proving Ground, Maryland

**What is the appointment length?**

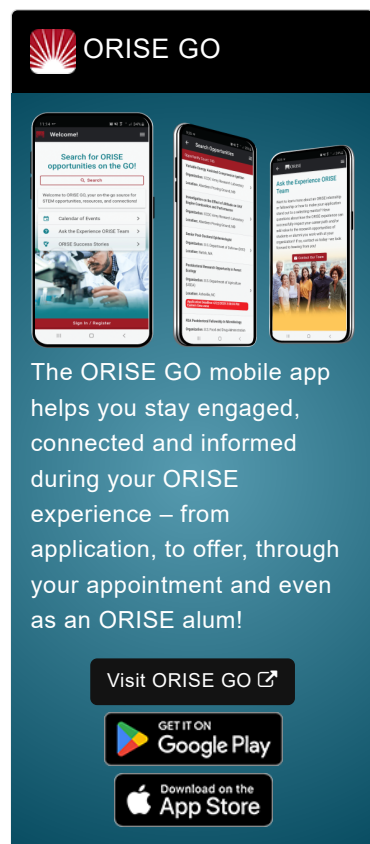
USAMRICD is prepared to begin this appointment as soon as possible and will review applications on an ongoing basis until a candidate is selected. This appointment is a twelve month research appointment, with the possibility to be renewed for additional research periods. Appointments may be extended 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*)



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- 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** The USAMRICD is seeking candidates that are completing or have completed their undergraduate or master's degree in biological sciences, pharmacology, neuroscience, psychology, physiology or related field within the past five years.

- Must be a U.S. Citizen
- Required to complete a background investigation
- Able to obtain and maintain a security clearance

#### 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:** Bachelor's Degree or Master's Degree received within the last 60 months or currently pursuing.
- **Overall GPA:** 3.00
- **Discipline(s):**
  - **Chemistry and Materials Sciences** ([12](#) 👁)
  - **Environmental and Marine Sciences** ([14](#) 👁)
  - **Life Health and Medical Sciences** ([48](#) 👁)

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- **Age:** Must be 18 years of age
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).