

Opportunity Title: Undergraduate Molecular toxicology and Ecotoxicology
Research Internship

Opportunity Reference Code: DEVCOM-CBC-2024-0001

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 undergraduate internships at the DEVCOM Chemical and Biological Center (DEVCOM CBC).

What will I be doing?

As an ORISE participant, you will join a community of scientists and researchers in an effort to gain insight into novel methods used to predict toxicity of various chemicals and gain understanding how chemicals impact the ecosystem.

Why should I apply?

Under the guidance of a mentor, you will gain hands-on experience to complement your education and support your academic and professional goals. During your appointment, you will engage in activities and research in several areas. These include, but are not limited to:

1. Cell culturing and aseptic techniques
2. Implementation Design of Experiments (DOE) statistical methods
3. Maintaining cultures of cells and/or organisms
4. Activity and analytical techniques such as plate assays and HPLC

Throughout your participation, you will have the opportunity to advance your general molecular biology skills, environmental ecology skills, scientific communication, methods development, presentation and communication skills. In addition, you will collaborate with a diverse team of researchers with the common goal of characterizing chemicals and understanding their impact to humans and the environment.

Where will I be located?

Edgewood, Maryland

What is the anticipated start date?

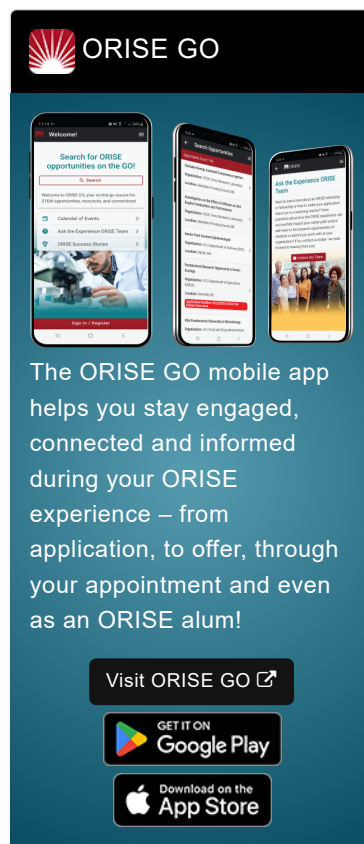
May 15, 2024. Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis and internships or fellowships will be filled as qualified candidates are identified.

What is the appointment length?

This appointment is a six-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 DEVCOM CBC. Stipends are



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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 DEVCOM CBC

The DEVCOM Chemical Biological Center (DEVCOM-CBC) is the primary Department of Defense technical organization for non-medical chemical and biological defense. DEVCOM-CBC activities at the Edgewood portion of Aberdeen Proving Ground, Maryland, provide an extraordinary capability against emerging biological and chemical threats by merging intelligence assessments with its world-renowned chemistry, biology, physiology and engineering expertise at every stage of the acquisition life cycle. We provide a unique blend of distinguished scientists and engineers for the research and development of innovative technological solutions to solve chemical and biological defense threats to our nation—both abroad and on the homeland. For more information about the DEVCOM-CBC, please visit <https://www.cbc.devcom.army.mil>.

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 qualified candidate will be currently pursuing an associate or bachelor's degree in biology, chemistry, environmental sciences or a related field.

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

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be submitted. [Click here for detailed information about acceptable transcripts.](#)

- **One Recommendation.** Your application will be considered incomplete and will not be reviewed until one recommendation is submitted. We encourage you to contact your recommenders 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-RDECOM@orise.orau.gov. Please list the reference code of this opportunity [DEVCOM-CBC-2024-0001] 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.

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Eligibility

- **Citizenship:** U.S. Citizen Only

Requirements

- **Degree:** Currently pursuing an Associate's Degree or Bachelor's Degree.
- **Overall GPA:** 3.00
- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#))
 - **Environmental and Marine Sciences** ([14](#))
 - **Life Health and Medical Sciences** ([51](#))
- **Age:** Must be 18 years of age