

Opportunity Title: Spectroscopy and Materials Science - Doctoral Research Fellowship
Opportunity Reference Code: DEVCOM-CBC-2026-0011

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 U.S. Army Combat Capabilities Development Command - Chemical Biological Center (DEVCOM-CBC) is offering a post-doctoral research fellowship.

What will I be doing?

As an Oak Ridge Institute for Science and Education (ORISE) participant, you will engage with a team of scientists and researchers in diverse learning opportunities. You will gain hands-on experience with spectroscopic techniques and procedures and/or material science techniques and procedures, as well as general laboratory techniques and skills. You may synthesize/fabricate particles or substrates, gaining a fundamental understanding of materials science. Instrumentation and techniques that may be utilized within the fellowship for data collection and analysis including UV-visible spectrometers, fluorescence, Raman spectroscopy, SEMs, microscopes, lasers, and other laboratory equipment. An understanding of analytical techniques and skills are ideal, with the potential of enhancing these skills in a typical laboratory environment. You will participate in critical thinking with other researchers in the field, building strong teamwork and communication skills.

Why should I apply?

While under the guidance of a mentor, it is anticipated that through this appointment you will:

- Hone your skills in the laboratory with instrumentation and laboratory techniques from our world-class facilities
- Gain a greater understanding of spectroscopy and materials science by participating in cutting edge research
- Gain experience in an active Department of War research facility
- Develop advanced time-management skills by learning how to participate in multiple projects at once.

Where will I be located?

Location varies

What is the anticipated start date?

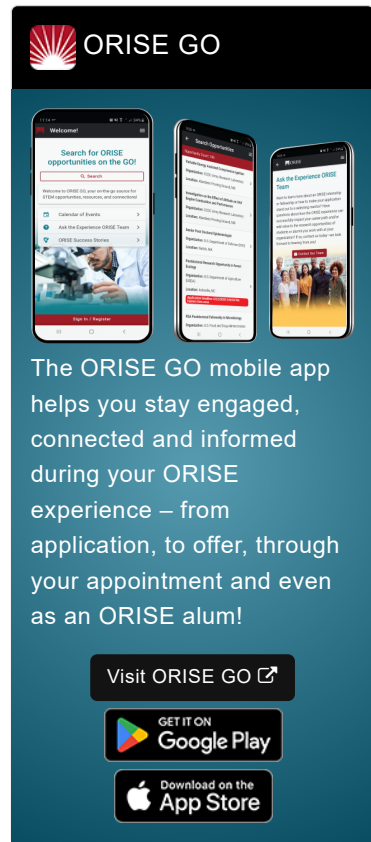
DEVCOM-CBC is ready to make appointments immediately. Exact start dates will be determined at the time of selection and in coordination with the selected candidate. Applications are reviewed on an ongoing basis, and fellowships will be filled as qualified candidates are identified.

What is the appointment length?

An ORISE appointment period can be a short-term (less than 2 weeks), summer (10-12 weeks), or yearlong appointment. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant.

What are the provisions?

You will receive a stipend to be determined by DEVCOM-CBC. The anticipated starting for the



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stipend is \$102,415 yearly. The exact stipend amount is based on a participant's academic standing, discipline, experience, and research facility location. Other provisions 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 U.S. Army Combat Capabilities Development Command - 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.

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 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 is a US citizen who has received a Doctoral degree within 5 years of the appointment start date, or is currently pursuing a Doctoral degree with an anticipated graduation by 12/31/2031. Eligible degree disciplines are listed in the opportunity's Eligibility criteria.

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 - Please upload a copy of a transcript for your current or most recent degree program that meets the disciplinary qualifications of the opportunity. [Click here for detailed information about acceptable transcripts.](#)
- One Recommendation. We encourage you to contact your recommender 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

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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-2026-0011] 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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Point of Contact [Richard](#)

Eligibility • **Citizenship:** U.S. Citizen Only

Requirements • **Degree:** Doctoral Degree received within the last 60 months or anticipated to be received by 12/31/2031 12:00:00 AM.

- **Discipline(s):**
 - **Chemistry and Materials Sciences** ([12](#) )
 - **Engineering** ([1](#) )
 - **Physics** ([16](#) )