

Opportunity Title: ORISE Biology Intern
Opportunity Reference Code: CCDC-CBC-2020-0010R

Organization U.S. Department of Defense (DOD)
Reference Code CCDC-CBC-2020-0010R
How to Apply Components of the online application are as follows:

- Profile Information
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - [Click here for detailed information about acceptable transcripts](#)
- Recommendation

Submitted documents must have all social security numbers, student identification numbers, and/or dates of birth removed (blanked out, blackened out, made illegible, etc.) prior to uploading into the application system. If you have questions, send an email to ARMY-RDECOM@orise.orau.gov. Please list the reference code of this opportunity in the subject line of the email. All documents must be in English or include an official English translation.

Description

U.S. Army Combat Capabilities Development Command Chemical Biological Center (CCDC CBC) conducts applied research and development for the detection and identification of chemical, biological, and explosive materials to provide next-generation detection capabilities to the Warfighter. The Research and Technology (R&T) Directorate operates within CCDC Chemical Biological Center, with a mission to provide integrated science and technology solutions to identify and mitigate novel and emerging chemical and biological threats. The R&T Directorate specializes in the research and development of innovative technological solutions to solve chemical and biological defense threats to our nation—both abroad and in the homeland.

The BioSciences Division is expanding a program to characterize and develop detection strategies against novel and emerging pathogens and biologically-produced toxins to protect the Warfighter from current and future hazards. This project integrates chemistry, synthetic biology, and classic molecular biology to increase our capabilities in target discovery, and our ability to rapidly develop sensors against emerging threats. During this learning opportunity, the ORISE participant will gain knowledge in synthetic biology as it relates to the defense arena and to conduct research at the interface of multiple disciplines to build truly unique capabilities.

Appointment Length

This appointment is a part-time, 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.

Participant Benefits

Participants will receive a stipend to be determined by USACBC. Stipends are typically based on the participant's academic standing, discipline, experience, and research facility location. Other benefits may include the following:




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

Nature of Appointment

The Participant will not enter into an employee/employer relationship with ORISE, ORAU, DOD, or any other office or agency. Instead, the participant will be affiliated with ORISE for the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications

The applicant will have an interest in Biology and assist senior researchers in a biosafety level 2 laboratory; set up, adjust, calibrate, maintain, and troubleshoot laboratory and field equipment; order, maintain and prepare supplies and research areas. Intern will participate in synthetic biology research using introductory representative tasks to include making media, pouring plates, growing bacteria, and extracting cell-free lysates.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Currently pursuing a High School Diploma/GED or Bachelor's Degree.
- **Academic Level(s):** K-12 Students or Undergraduate Students.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** (12 👁)
 - **Engineering** (27 👁)
 - **Environmental and Marine Sciences** (1 👁)
 - **Life Health and Medical Sciences** (45 👁)
 - **Physics** (16 👁)
- **Age:** Must be 18 years of age