

Opportunity Title: U.S. Army CCDC-Soldier Center - Synthetic Biology Enabled

Materials Postdoc Fellowship

Opportunity Reference Code: CCDC-SC-2021-0004



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. Combat Capabilities Development Command - Soldier Center (CCDC Soldier Center) is offering postdoctoral level fellowships at the Natick, Massachusetts facility.

What will I be doing?

As an ORISE participant, you will join a community of scientists and researchers in support of our initiative in synthetic biology enabled materials research.

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. Along the way, you will engage in activities and research in several areas relating to the development of synthetic biology-derived materials and sensors for Army relevant applications. The research may include (but is not limited to):

- Synthesis of functional molecules
- Exploring molecular structure-property relationships.
- Integrating synthetic biology-derived molecules into material systems.
- Characterizing resulting material properties.

Where will I be located?

Natick, Massachusetts

What is the anticipated start date?

The CCDC Soldier Center 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 internships or fellowships will be filled as qualified candidates are identified.

What is the appointment length?

Appointments are initially for one year with the option to extend the appointment for up to four additional years, contingent upon project needs and funding availability.

What are the benefits?

You will receive a stipend to be determined by the CCDC Soldier Center. 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

About CCDC Soldier Center

The U.S. Combat Capabilities Development Command - Soldier Center (CCDC Soldier Center) is located at the U.S. Army Natick Soldier Systems Center in Natick, Massachusetts, under the Army's Futures Command. Stretching back to 1954, the CCDC Soldier Center's history of support for the Soldier has continued uninterrupted for more than six decades, with a focus on Soldier-related research, development, testing and evaluation efforts. If Soldiers wear it, eat it, sleep under it, or have it airdropped to them in theater, it can be traced back to the CCDC Soldier Center. Diverse expertise comprised of scientists, engineers, technologists and equipment designers, the CCDC Soldier Center provides

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a wide range of capabilities to the Soldier, to include field feeding and life support systems, protective clothing, precision airdrop systems, and ballistic, chemical and laser-protection systems, and human performance optimization.

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 have a doctoral degree in any area of science or engineering relevant to materials research. Degree must have been received within five years of the appointment start date. U.S. military veterans who have been honorably discharged (or who have been medically discharged because of a service-connected disability) and who received a doctorate degree within ten years of the desired start date are also eligible.

Highly competitive applicants will have training in synthetic biology research and exposure to the underpinning knowledge tools such as genetic engineering, microbial engineering, bioinformatics.

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

If you have questions, send an email to ARMY-RDECOM@orise.orau.gov. Please list the reference code of this opportunity CCDC-SC-2021-0004 in the subject line of the email.

Connect with ORISE...on the GO! Download the new ORISE GO mobile app in the [Apple App Store](#) or [Google Play Store](#) to help you stay engaged, connected, and informed during your ORISE experience and beyond!

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 60 month(s).
- **Discipline(s):**
 - **Chemistry and Materials Sciences** (12 )
 - **Engineering** (10 )
 - **Life Health and Medical Sciences** (6 )
 - **Physics** (11 )
 - **Science & Engineering-related** (1 )
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).