

Opportunity Title: Chemistry Postdoc: Formulation Development

Opportunity Reference Code: USAISR-2021-0072

Organization U.S. Department of Defense (DOD)

Reference Code USAISR-2021-0072

How to Apply Components of the online application are as follows:

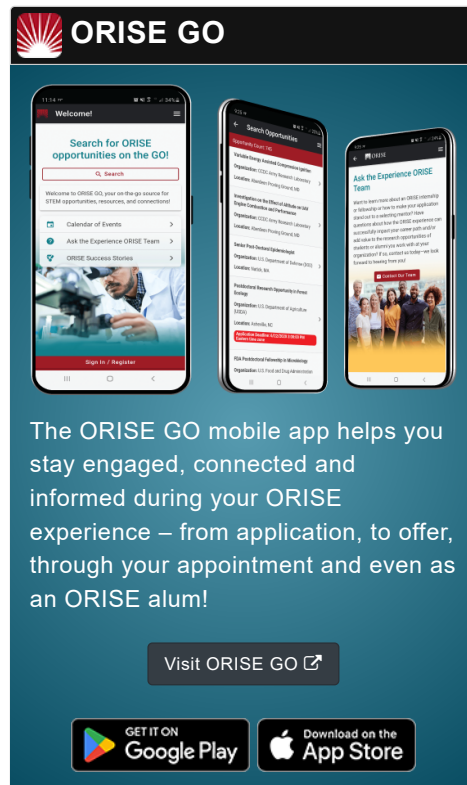
- Profile Information
- Educational and Employment History
- Essay Questions (goals, experiences, and skills relevant to the opportunity)
- Resume (PDF)
- Transcripts/Academic Records - For this opportunity, an unofficial transcript or copy of the student academic records printed by the applicant or by academic advisors from internal institution systems may be submitted. [Click here for detailed information about acceptable transcripts.](#)
- 1 Recommendation(s)

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-MRMC@orise.orau.gov. Please list the reference code of this opportunity in the subject line of the email.

Letter of Recommendation: While a letter of recommendation is not required to be considered, applicants are required to provide contact information for one recommendation in order to submit the application. Applicants are encouraged to request a letter of recommendation before submission as this may help reviewers have a better understanding of the applicant's qualifications and interests. If selected, a letter recommendation must be submitted on your behalf upon acceptance of the appointment. All documents must be in English or include an official English translation.

Description The Battlefield Health and Trauma Buildings (BHT1 and BHT2) of the US Army Institute of Surgical Research (USAISR) are located next to Brooke Army Medical Center (BAMC). Our laboratory facilities for Maxillofacial Trauma Research within the Division of Combat Wound Repair have approximately 7,584 gross square feet, are located on the ground floor of the four-story building of BHT2, a tri-service facility also occupied by the US Air Force and Navy. The building is designed so that the

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administrative offices, approximately 2,282 gross square feet, and laboratories, which do not use animals, are located on floors one through three. The lower level houses the Veterinary Support Services Branch, and the animal research and surgery suites. The USAISR has extensive support staff and facilities, including statisticians and dedicated research personnel. All USAISR investigators are equipped with private offices on site. Onsite biomedical equipment repair facilities are available to support the needs of USAISR investigators.

The candidate selected for this opportunity will participate in an ongoing study to develop planar delivering platforms for effective delivery of pharmaceutical active agents targeting both gram-positive and -negative wound pathogens for controlling burn wound infection. Limiting burn wound infection is one of the mission requirements within the Division of Combat Wound Repair at ISR. Under the guidance of a mentor, the participant will have opportunities to interact with other research fellows and scientists to augment their knowledge and skill sets beyond formulation development. These include hands-on experience in researching *ex vivo* anti-biofilm assays for evaluating candidate antimicrobial agents and collaborating with other fellows to perform animal studies to evaluate treatment efficacy of various planar delivering platforms for antimicrobials developed in the laboratories.

Appointment Length

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.

Participant Benefits

Participants will receive a stipend to be determined by **USAISR**. Stipends are typically based on the 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

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













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the administration of the appointment through the ORISE appointment letter and Terms of Appointment.

Qualifications The candidate must have a PHD in Chemistry, Chemical Engineering, or related field..

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
 - **Chemistry and Materials Sciences** (12 )
 - **Communications and Graphics Design** (2 )
 - **Computer, Information, and Data Sciences** (16 )
 - **Earth and Geosciences** (21 )
 - **Engineering** (27 )
 - **Environmental and Marine Sciences** (14 )
 - **Life Health and Medical Sciences** (45 )
 - **Mathematics and Statistics** (10 )
 - **Other Non-Science & Engineering** (2 )
 - **Physics** (16 )
 - **Science & Engineering-related** (1 )
 - **Social and Behavioral Sciences** (27 )
- **Veteran Status:** Veterans Preference, degree received within the last 120 month(s).