Opportunity Title: Vaccine Studies Using Liposomal Adjuvants
Opportunity Reference Code: MRMC-WRAIR-2019-0006

Organization U.S. Department of Defense (DOD)

Reference Code MRMC-WRAIR-2019-0006

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
- Recommendations

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.

All documents must be in English or include an official English translation.

Description The Walter Reed Army Institute of Research (WRAIR) aims to conduct biomedical research that is responsive to U.S. Department of Defense and U.S. Army requirements and delivers lifesaving products including knowledge, technology and medical material that sustain the combat effectiveness of the Warfighter. For more information about WRAIR, please visit: https://www.wrair.army.mil/.
The participant will conduct research to support the laboratory's mission on the development of HIV vaccine candidates and adjuvant formulations for infectious disease vaccines. Under the guidance of the mentor the participant will assist in the manufacture, characterization and analysis of Army Liposome Formulations (ALF). During this fellowship, the participant will acquire the following techniques: ELISA, cell culture, EISPOT, cytokine analysis, peptide synthesis, HPLC, mass spectroscopy, and manufacture of liposomes, including microfluidization, lyophilization dynamic light scattering, particle tracking analysis, and cholesterol determination. The participant will learn methods to assess the antibody and cellular immune responses of immunized animals, documenting and presenting discoveries. The participant will also attend section and laboratory meetings with the mentor to actively engage with team members and to present findings.

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 WRAIR. 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

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- 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 participant should have bachelor's degree in biochemistry or related field. The participant should also have experience in a biochemistry, biology or chemistry laboratory for at least 2 months. Proficiency in Microsoft Office is required. Knowledge of a scientific graphing program is encouraged.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Currently pursuing a Bachelor's Degree to be received by 5/31/2019 12:00:00 AM.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Communications and Graphics Design** (1 👁)
  - **Environmental and Marine Sciences** (12 👁)
  - **Life Health and Medical Sciences** (45 👁)
  - **Physics** (16 👁)
  - **Science & Engineering-related** (1 👁)
- **Age:** Must be 18 years of age