

Opportunity Title: AFRIMS Malaria Research Experience

Opportunity Reference Code: MRMC-WRAIR-2019-0015

Organization U.S. Department of Defense (DOD)

Reference Code MRMC-WRAIR-2019-0015

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 (blacked 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 sponsoring research facility for this opportunity is the Walter Reed Army Institute of Research in Silver Spring, MD. The opportunity will be carried out in both Centers (Infectious Disease Research and Military Psychiatry and Neuroscience) under the mentorship of the director for science education. See www.wrair.army.mil for more information. The mission of the US Army Medical Directorate of the Armed Forces Research Institute of Medical Sciences (USAMD-AFRIMS) is to conduct state of the art medical research and disease surveillance to develop and evaluate medical products, vaccines, and diagnostics to protect DOD personnel from infectious disease threats—many of which also endanger the men, women and children of Southeast Asia. First formed following the 1958 cholera epidemic as the Southeast Asia Treaty Organization (SEATO) Cholera Research Project, AFRIMS' scope was broadened in 1960 with a mandate to contribute to the eradication of other infectious diseases.

This research experience will provide an ORISE participant the opportunity to take part in extending the value of the NHP model as an in vitro primary screening platform. This research will further identify early leads to down select drug candidates prior to in vivo studies. With the mentoring and education provided throughout this research experience, the participant will take part in developing new strategies for an in vitro liver stage (iLS) culturing system for relapsing malaria of humans and nonhuman primates (NHP), Plasmodium vivax and P. cynomolgi. During the second phase of this research project, the mentor and participant will collaborate in developing a new P. cynomolgi transgenic reporter lines to improve efficiency of the iLS screening platform.

In addition to providing a unique knowledge and understanding to Plasmodium vivax and P. cynomolgi research, our objective is to focus on the participant's career development and individual success. The participant will have the opportunity to network and collaborate with other WRAIR scientist, as we prepare them for their next academic achievement or career.

Appointment Length

This appointment is a thirteen week opportunity in Bangkok, Thailand; with the possibility to be renewed for additional research periods. Appointments may be extended depending on funding



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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
- 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 PhD with experience working on Plasmodium vivax and P. cynomolgi.

- Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
 - **Degree:** Doctoral Degree received within the last 60 month(s).
 - **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](#) )