

**Opportunity Title:** Science Education Research - Dual Science Education and Research Program Mentorship

**Opportunity Reference Code:** MPMC-WRAIR-2019-0020RR

**Organization** U.S. Department of Defense (DOD)

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**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](#)
- 1 Recommendation - Your application will be considered incomplete and will not be reviewed until one recommendation is submitted. We encourage you to contact your recommender as soon as you start your application to ensure they are able to complete the recommendation form and to let them know to expect a message from Zintellect. Recommenders will be asked to rate your scientific capabilities, personal characteristics, and describe how they know you.

If you have questions, send an email to [ARMY-MPMC@ORISE.ORAU.gov](mailto:ARMY-MPMC@ORISE.ORAU.gov). Please list the reference code of this opportunity (MPMC-WRAIR-2019-0020RR) in the subject line of the email. Please understand that ORISE does not review applications or select applicants; selections are made by the sponsoring agency identified on this opportunity. All application materials should be submitted via the "Apply" button at the bottom of this opportunity listing. Please do not send application materials to the email address above.

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**Description** The Walter Reed Army Institute of Research carries out research to develop infectious disease countermeasures and to benefit brain health through studies to enhance our understanding of sleep, traumatic brain injury prevention/treatment and psychological resilience.

The Walter Reed Army Institute of Research (WRAIR) is seeking fellows interested in science education and science education research. WRAIR conducts summer science education programming ([www.usaeop.com/program/GEMS](http://www.usaeop.com/program/GEMS)) in the WRAIR teaching laboratory while also carrying out school-year research in area schools to determine the best methodologies for teaching science. The intent of this research is to reinvent pre-college science teaching with an additional emphasis on underrepresented groups (i.e., people of color) in STEM careers. Incoming fellows will participate in a preparatory training that covers human subjects research, research ethics, basic laboratory techniques, laboratory safety, and science education strategies, to facilitate their transition into the program. Fellows will design and lead weekly, hands-on laboratory investigations and create novel teaching lessons based on WRAIR research and the curriculum requirements of participating area schools. The fellow will receive a comprehensive research and teaching experience.

**Where will I be located?**




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Silver Spring, Maryland

**What is the anticipated start date?**

WRAIR 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.

**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
- Training and Travel Allowance

**About WRAIR**

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. WRAIR conducts basic science, applied science, and animal and human subjects research to deliver lifesaving products including knowledge, technology and medical material that sustain the combat effectiveness of the Warfighter. Areas of focus include tropical infectious diseases and HIV, medical care on the battlefield and post-traumatic stress disorders. For more information about the WRAIR, please visit [www.wrair.army.mil](http://www.wrair.army.mil).

**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 be currently pursuing or will have received a Bachelor's, Master's, or Doctoral degree within the past 5 years.

Highly competitive applicants will have superior academic performance; strong

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analytical, research and communication (oral and written) skills; demonstrated capacity for creative thinking; a strong technical background; expertise in a STEM-related field; and be interested in research, mentoring, STEM teaching and student development. Experience with curriculum development highly valued.

### Eligibility Requirements

- **Citizenship:** LPR or U.S. Citizen
- **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Chemistry and Materials Sciences** (12 👁)
  - **Computer, Information, and Data Sciences** (16 👁)
  - **Engineering** (27 👁)
  - **Environmental and Marine Sciences** (12 👁)
  - **Life Health and Medical Sciences** (45 👁)
  - **Mathematics and Statistics** (10 👁)
  - **Other Non-Science & Engineering** (1 👁)
  - **Physics** (16 👁)