

**Opportunity Title:** Concussion & Head Injury Research

**Opportunity Reference Code:** AARL-2029475795

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

**Reference Code** AARL-2029475795

**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
- References

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](mailto: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 U.S. Army Aeromedical Research Laboratory (USAARL) aims to provide medical research in the military operations environment to sustain the warfighter's performance by delivering medical research and developing, testing, and evaluating solutions to air and ground warriors. USAARL conducts medical research to develop and provide the biomedical basis for countermeasures that prevent and mitigate warrior injury.

USAARL is seeking two candidates to assist with the ongoing injury biomechanics research at West Point, NY. The research appointment includes, but is not limited to, the following:

The participants will engage in an injury biomechanics research project(s) that is investigating neurosensory response to injury, head acceleration, and risk of concussion. The participants will learn and apply experimental methods, motion analysis algorithms, equipment operations, and various techniques involved in human exposure and response research. The participants will assist a collaborative, multi-disciplinary research team with human subjects/volunteer data collection in laboratory and field settings. The participants will analyze data, summarize study findings in paper and presentation formats, and present findings locally and at scientific meetings. The participants will gain a greater understanding of human kinematics, anatomical structures, and the overall research process.

For more information about the USAARL please visit <https://www.usaarl.army.mil/>.

### Appointment Length

This opportunity is a twelve month research appointment with the option to be renewed for up to four additional one year terms.

### Participant Benefits

Participants will receive a stipend to be determined by USAARL. 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

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**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** U.S. Citizenship is required for this appointment

A Bachelor's degree or greater in the following areas: Mechanical Engineering, Biomedical Engineering, Kinesiology, Athletic Training, or a related field is required

**Eligibility Requirements**

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree, Master's Degree, or Doctoral Degree received within the last 60 months or currently pursuing.
- **Discipline(s):**
  - **Engineering** (27 )
  - **Life Health and Medical Sciences** (47 )