

**RESEARCH PARTICIPATION PROGRAM
U.S. ARMY MEDICAL RESEARCH AND MATERIEL COMMAND (USAMRMC)
ABERDEEN PROVING GROUND, MARYLAND**

Engineering Research Project at Fort Rucker, Alabama

Project #AARL-LC-2010-007

The Research Participation Program for the U.S. Army Medical Research and Materiel Command (USAMRMC) provides opportunities to participate in USAMRMC on-going applied research projects through its programs in medical logistics, facility planning, medical information systems, and development of new technologies to improve military health care. Project areas include chemical, biochemical, pharmacology, molecular biology, neuroscience, toxicology and immunology.

Two appointments are available at Warfighter Protection Division, Injury Biomechanics Branch, of the U.S. Army Aeromedical Research Laboratory (USAARL), located at Fort Rucker, Alabama.

These appointments include, but are not limited to, the following:

- Assist in establishing combat helmet performance and a library of operationally-relevant exposures through experimentation, exposure data collection, and data analysis.
- Support experienced engineers, scientists, and researchers to better understand volunteer and human surrogate exposures and personnel protective equipment.
- Learn about current civilian and automotive injury criteria, human surrogates, and accepted and novel test methodology.
- Evaluate using mechanical and material test equipment or with human volunteers or surrogates.
- Collect data through testing to assess injury and human response in simulated exposures and environments.
- Run simulations of exposures and environments.
- Prepare documentation, publications, and presentations.
- Assist in other ongoing research projects in biomechanics and kinesiology, which include equipment evaluations and several human volunteer studies.

Applicants **should have completed a Bachelor's** degree in **Mechanical Engineering, Biomedical Engineering** or related discipline within three years of the desired starting date, or completion of all requirements for the degree should be expected on or about the starting date. Other applicants will be considered on a case-by-case basis. The program is open to all qualified U.S. citizens without regard to race, sex, religion, color, age, physical or mental disability, national origin, or status as a Vietnam era or disabled veteran.

The participants will be selected based on academic records, recommendations, applied research interests and compatibility of background with applied research programs and projects at **USAARL** and/or the host Installation.

The initial appointment is for **one year** and may be renewed for up to two additional years based upon recommendation of USAMRMC and subject to availability of funds. The appointment is **full-time** at **USAARL**.

The participant will receive a monthly stipend. The stipend rate is determined based upon level of education, training, and experience. Inbound travel and moving expenses are reimbursed according to established policies. Travel and other costs will also be reimbursed for training related to the project and approved by ORISE and the host installation.

The participant must show proof of health and medical insurance. Health plans are available through the Oak Ridge Institute for Science and Education for Postgraduate Internship participants. The appointment is full time at the host installation.

Applications are accepted and processed on a continuing basis. The Research Participation Program for USAMRMC is administered by the Oak Ridge Institute for Science and Education. Please reference **Project #AARL-LC-2010-007** when calling, emailing or writing for information. For immediate consideration applicants may forward resumes or vitas to the email address listed below. Additional information and application material can be found on the following website www.orau.org/Maryland.

ORAU/ORISE

4692 Millennium Drive
Suite 101
Belcamp, MD 21017
Email: recruiter@orau.org
Fax: (410) 306-9306