Opportunity Title: Predictive Toxicology & Molecular Biology BS Research
Opportunity Reference Code: USACE-EL-4436554402

Organization U.S. Department of Defense (DOD)

Reference Code USACE-EL-4436554402

How to Apply The ideal candidate will have completed a bachelor degree in molecular biology, computational biology, bioinformatics, toxicology, or related field. To qualify for ORISE, candidates should have completed their degree within the past five years.

Description The Environmental Laboratory (EL) is part of the U.S. Army Engineer Research and Development Center (USACE-ERDC), which is the Army Corps of Engineers' integrated research and development (R&D) organization. EL provides solutions to environmental challenges for the U.S. Army, the Department of Defense and the Nation through environmental science and engineering research and development. Researchers in the Environmental Laboratory conduct research in ecosystem science and technology, environmental resiliency, environmental sensing, ecological modeling and forecasting, risk and decision science, environmentally sustainable material, systems biology, climate change, and environmental security. For more information about the US Army Engineering Research and Development Center (ERDC) Environmental Laboratory (EL), please visit https://www.erdc.usace.army.mil/.

The bachelor level postgraduate research participant will gain experience in a variety of environmental research activities including, but not limited to, predictive toxicology, systems biology, molecular biology, and computational biology. Potential projects may include the use of zebrafish for predictive toxicology, development of a dashboard, bioinformatics, and novel approaches for environmental toxicology. The ideal candidate will have a strong publication record, and demonstration of ability to participant in an interdisciplinary environment. The participant will receive mentoring from federal research scientists and technicians and assist in meeting research obligations with the opportunity to create publications and/or technical reports.

Appointment Length

This is a twelve month appointment, with the opportunity to be renewed for additional twelve month terms. Appointments may be extended depending on funding availability, project assignment, program rules, and availability of the participant. This appointment is tentatively scheduled to last up to a total of three years of research.

Participant Benefits

Participants will receive a stipend to be determined by USACE-EL. 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

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administration of the appointment through the ORISE appointment letter and Terms of Appointment.

While participants will not enter into an employment relationship with DOD or any other agency, this opportunity will require a suitability investigation/background investigation. Any offer made is considered tentative pending favorable outcome of the investigation.

Qualifications

The ideal candidate will have completed a bachelor degree in molecular biology, computational biology, bioinformatics, toxicology, or related field. To qualify for ORISE, candidates should have completed their degree within the past five years.

Eligibility Requirements

- **Citizenship:** U.S. Citizen Only
- **Degree:** Bachelor's Degree or Master's Degree received within the last 60 months or anticipated to be received by 5/31/2019 12:00:00 AM.
- **Academic Level(s):** Post-Bachelor'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 👁)