



POSITION ANNOUNCEMENT GRADUATE RESEARCH ASSISTANT

TREMoR Project – Tick collection Robot for Entomological Modeling Research

The College of Health and Human Services (Dr. von Fricken), the Volgenau School of Engineering (Drs. Peixoto & Ross), and the College of Science (Dr. Emelianenko) are seeking applicants for the position of Graduate Research Assistant (GRA). The GRA is responsible for assisting in research, described below, starting January 2020.

Applications will be accepted until **December 15th, 2019**.

Tick-borne diseases are continuing to rise in occurrence in the United States and current human field collection techniques can be hazardous to researchers. The goal of this project is to create a stationary robot that will collect ticks and environmental information, creating more standardized methodology. The surveillance testing will be conducted in Virginia and Maryland, with some travel required. The student will be working under four faculty from three colleges during their assistantship. The student will be supporting the faculty as they design and build this bot and field test it.

Requirements: Student must be enrolled in nine credit hours of graduate coursework during the semesters in which they are employed. The student may not engage in other employment during the semester, unless approved by the GCH Chair. The student is expected to work 20 hours per week during their assistantship. Both Masters and PhD level candidates will be considered.

Preferred qualifications

- Prior experience in circuits, robotics, and motor control.
- Demonstrated experience in designing control systems.
- Interest in multi-disciplinary research.

A successful applicant will be a current or newly admitted George Mason University graduate student in a degree program in the College of Health and Human Services, the Volgenau School of Engineering, or the College of Science. The student must be in good academic standing, maintain a 3.0 grade point average, and may not have any recent unsatisfactory grades. The ideal candidate will have an interest in tick-borne diseases and/or robotic and previous experience with hands-on projects.

If you are interested in this opportunity, please email your resume/CV and a one page cover letter explaining your interest in the project to Dr. Nathalia Piexoto at npeixoto@gmu.edu or through handshake at <https://app.joinhandshake.com/jobs/3255039>