

## **F25.23: Advancing a Canine Anti-Tick Vaccine to Prevent Rocky Mountain Spotted**

### **Fever**

#### **Overview**

Seeking a motivated, hard-working undergraduate researcher to work on a research project focused on the ticks that vector the human disease Rocky Mountain Spotted Fever. Work will entail developing new genotyping approaches for the ticks and advancing anti-tick vaccine targets.

#### **What the student will DO and LEARN**

Student will learn high-tech genetic and microbiology techniques by doing these techniques under the supervision of highly-skilled, PhD-level scientists. They will learn how professional science works by participating in multiple funded research projects that will lead to new scientific advances and publications.

#### **Additional benefits**

Getting to work in an internationally-recognized research center with top-notch faculty, staff, and other students. Exposure to cutting-edge research.

#### **Additional qualifications**

N/A

#### **Time commitment**

6 hrs/week for 30 weeks