

## Proposal:

This project is disease surveillance in order observe heart worm in the Lynchburg area. This will assist veterinarians and dog owners in the Lynchburg area. The project has several phases. This includes perfecting the capture of mosquitoes and becoming familiar with the different species. This also includes laboratory work, which will consist of extracting DNA and PCR testing. The extracted DNA will be tested for *Dirofilaria immitis*, the causative agent for heart worm disease in dogs.