
2024 Internship Opportunity Descriptions

Maine

MaineHealth Lyme & Vector-Borne Disease Lab. Scarborough, ME <https://mhir.org>

Assist MaineHealth staff with a range of projects including understanding tick and mosquito vector biology and ecology, host associations, and monitoring methods.

Maryland

University of Maryland Department of Entomology. College Park, MD <https://www.meganfritzlab.com/>

Assist with mosquito vector surveillance. Learn about different trapping and collection methods, as well as learn to identify and process specimens for cryptic species identification.

Massachusetts

Central Massachusetts Mosquito Control Project. Northborough, MA <https://www.cmmcp.org/>

Assist the CMMCP Mosquito Surveillance Program by monitoring local mosquito populations and arbovirus levels through the 2024 season. Control measures are dependent on the findings of this department. Pesticide resistance testing and other efficacy projects may also be included to help ensure the control quality of CMMCP.

Cape Cod Mosquito Control Project. Yarmouthport, MA <https://www.ccmcp.net/>

Assist the CCMCP with efficacy trapping as well as arbovirus surveillance utilizing a variety of traps in addition to participating in all aspects of control. Learn about how water management, larvicide applications, and education are used to control mosquito populations for the health and comfort of residents and visitors to our area.

New Jersey

Hunterdon County Mosquito and Vector Control Program. Flemington, NJ has two opportunities.

<https://www.co.hunterdon.nj.us/435/Mosquito-Vector-Control>

1. *Black fly surveillance and control: Assist the program in collecting larvae and adult blackflies, learn the basics of black fly identification and how to preserve/organize specimens for reference purposes.*
2. *Optimizing Asian tiger mosquito control: Assist the program in conducting experiments to understand optimal concentrations of larvicide for this important container breeding vector mosquito. In addition, compare control concentrations to those used in field operations.*

New Jersey Office of Mosquito Control Coordination. Trenton, NJ <https://dep.nj.gov/njfw/omcc/>

Learn about vector surveillance and control practices in NJ. Assist personnel with vector monitoring, help process samples for arboviral testing, participate in field research studies, and learn how decisions are made regarding the need for control practices.

NEVBD Teaching & Evaluation Center

Summer Internship Program



New York

Suffolk County Department of Public Works, Vector Control Division. Yaphank, NY

<https://suffolkcountyny.gov/Departments/Public-Works/Vector-Mosquito-Control>

Work with the Division of Vector Control to conduct field evaluations of wetlands management for mosquito control. In addition, the intern may participate in tick surveillance and learn about tick control strategies.

Suffolk County Department of Health Services, Arthropod-Borne Disease Lab. Yaphank, NY

<https://www.suffolkcountyny.gov/Departments/Health-Services/Public-Health/Preventive-Services/Arthropod-borne-Diseases>

The intern will assist personnel in mosquito surveillance. They will learn how surveillance is conducted, perform collections, learn to identify mosquitoes, and process samples for pathogen testing.

Vermont

Vermont Agency of Agriculture Food & Markets, Environmental Surveillance Division. Montpelier, VT

<https://agriculture.vermont.gov/public-health-agricultural-resource-management-division/plant-health-and-pest-management>

Assist the unit's vector surveillance program. Learn how surveillance is conducted and develop skills related to arthropod identification and processing.

Virginia

Fairfax County Health Department, Disease Carrying Insect Program. Fairfax, VA

www.fairfaxcounty.gov/health/FightTheBite

Gain practical experience in integrated mosquito management techniques including trapping adult mosquitoes, sampling for larval mosquitoes, identifying adult mosquitoes, and participating in wide-ranging community outreach efforts regarding bite prevention and preventing mosquitoes (and ticks) in residential settings. Additional project opportunities may be considered for interns with previous GIS or data analysis experience.