

2023 Vector Biology Boot Camp



** The final program agenda will be published in February 2023 **

Module Subject	Module Description
Arthropod Biology & Behavior	Review of key elements of arthropod biology, including key taxonomy, life history, behavior and host seeking
Major Regional Diseases & Emerging Threats	Review of major vector-borne diseases of concern to the United States
Surveillance Roles & Responsibilities	Overview of best practices for specimen collection and handling from the field to the laboratory, including pathogen testing considerations
Collection & Processing Methods	Review of trap types, sampling methods, and specimen handling best practices in the field
Vector-Borne Disease Communication	Best practices for strategic public health communication to prevent vector-borne disease
Hands-on Setting of Traps and Field Collections	Hands-on field sampling for ticks, placement and collection of mosquito traps, and specimen handling
Taxonomy	Overview of taxonomic resources, morphological characteristics for regional ticks and mosquitoes
Identification Labs	Hands-on lab practicals in identification of tick and mosquito specimens
Resistance Monitoring Approaches	Review of bottle bioassay, larvicidal assay, and larval packet test for pesticide resistance testing in mosquitoes and ticks
Data Management	Best practices for data collection and entry from field to office
Vector Control	Review of key concepts in vector control strategies for ticks and mosquitoes in the northeast