



# 2023 ANNUAL MEETING OF THE NORTHEAST REGIONAL CENTER FOR EXCELLENCE IN VECTOR-BORNE DISEASES

Friday, 21 April 2023

Connecticut Agricultural Experiment Station, New Haven, Connecticut

7:30 am	<b>Arrival and Registration, with Breakfast Refreshments</b>
8:30 am	<b>Greetings and Event Introduction</b>   Jason White (Connecticut Agricultural Experiment Station), Laura Harrington (Cornell University)
8:40 am	<b>Updates from CDC Division of Vector-Borne Diseases</b>   Joan Kenney (CDC-DVBD)
8:55 am	<b>Review of NEVBD Program Objectives and Outcomes</b>   Laura Harrington (Cornell University)
9:10 am	<b>Outcomes of the Novel Master of Science in Entomology: Vector-Borne Disease Biology Training Program</b>   Emily Mader (Cornell University)
<b><u>Mosquito Biology, Behavior, &amp; Arbovirus Transmission</u></b>	
9:25 am	<b><i>Uranotaenia sapphirina</i> Feeding Patterns in the Northeastern US</b>   Noelle Khalil (Connecticut Agricultural Experiment Station)
9:35 am	<b>Lessons Learned from West Nile Virus Modeling</b>   Alexander 'Sasha' Keyel (New York State Department of Health)
9:55 am	<b>BREAK</b>
10:05 am	<b>Mosquito Population and Arbovirus Synchrony in Connecticut</b>   J.R. McMillan (Texas Tech University / Connecticut Agricultural Experiment Station)
10:25 am	<b>Jamestown Canyon Virus Ecology in New Hampshire</b>   Joseph Poggi (Yale University / Cornell University)
<b><u>Tick Biology, Behavior, &amp; Pathogen Transmission</u></b>	
10:35 am	<b>Emerging Tickborne Viruses in New York State</b>   Alexander Ciota (New York State Department of Health)
10:55 am	<b>Ticks on Mammals</b>   Dina Fonseca (Rutgers University)
11:15 am	<b>Evidence of <i>Babesia microti</i> and <i>Borrelia burgdorferi</i> Infection and Co-infection and Partial Blood Feeding in <i>Haemaphysalis longicornis</i></b>   Keith Price (Pennsylvania Department of Environmental Protection)
11:25 am	<b><i>Anaplasma phagocytophilum</i> Genetic Variants in New York State</b>   Melissa Prusinski (New York State Department of Health)
11:35 am	<b>Prevalence and Distribution of Emerging <i>Ixodes scapularis</i>-borne human pathogens in Rhode Island</b>   Nelle Couret (University of Rhode Island)
11:45 am	<b>Comparison of Acarological Risk Metrics Derived from Active and Passive Surveillance and their Concordance with Tick-Borne Disease Incidence in Connecticut</b>   Karen Holcomb (CDC-DVBD)

11:55 am	LUNCH
1:00 pm	Modelling the Effects of Host Community Composition and Land Use on the <i>Borrelia burgdorferi</i> Enzootic Cycle at the Natural-Urban Interface   Jonathan Bastard (Columbia University)
1:10 pm	<i>Borrelia miyamotoi</i> and Coinfections in Host-Seeking Ticks   Nicole Foley (Cornell University / New York State Department of Health)
1:20 pm	Piroplasms in New Jersey Ticks   Heidi Herb (Rutgers University)
1:30 pm	A Specialized <i>Borrelia burgdorferi</i> outer surface protein C ( <i>ospC</i> ) allele reduces the frequency of human infectious <i>ospC</i> alleles in eastern chipmunks ( <i>Tamias striatus</i> )   Scarlet Schifflett (University of Delaware)
1:50 pm	Tickborne Hazards: Patterns and Perceptions Across an Urbanized Gradient   Marie Lilly (Columbia University)

#### Community Engagement in Vector-Borne Disease Prevention

2:00 pm	Socio-Ecological Determinants of Lyme Disease Risk: Insights from the TickApp and KAP Surveys Across Levels of Endemicity   Maria Diuk-Wasser (Columbia University)
2:30 pm	BREAK
2:40 pm	Long Island Tickborne Disease Knowledge, Attitudes, and Practices   Mervin Cuaderna (Cornell University)
3:00 pm	New York State Tick Blitz: Updates from 2022   Aine Lehane (Cornell University)

#### Vector Control

3:10 pm	Phenology and Control of the Asian Longhorned Tick   Alvaro Toledo (Rutgers University)
3:20 pm	NEVBD Pesticide Resistance Monitoring Program   Lindsay Baxter (Cornell University)
3:40 pm	Evaluation of Control Interventions Against <i>Ixodes scapularis</i>   Scott Williams (Connecticut Agricultural Experiment Station)
4:00 pm	Project ITCH: Is Tick Control Helping?   Andrew Lover (University of Massachusetts Amherst)
4:10 pm	BREAK

#### Future Directions

4:20 pm	Training and Evaluation: NEVBD Proposal Vision   Laura Harrington (Cornell University)
4:40 pm	Town Hall Discussion: Areas for Collaboration
5:00 pm	Meeting Adjourn