

2021 Virtual Annual Meeting
Northeast Regional Center for Excellence in Vector-Borne Diseases



Tuesday 12 Jan 2021

<i>Time</i>	<i>Title</i>	<i>Presented By</i>
8:00 am	Greetings and Event Introduction	Laura Harrington, NEVBD Emily Mader, NEVBD
8:15 am	Spring Program Announcements	Laura Harrington, NEVBD
8:30 am	Role of West Nile virus genetic diversity in driving transmission in New York State	Alexander Ciota, Wadsworth Center Arbovirus Laboratory, New York State Dept. of Health
8:50 am	Vector competence of human biting ticks <i>Ixodes scapularis</i> , <i>Amblyomma americanum</i> , and <i>Dermacentor variabilis</i> for Powassan virus	Rohit Sharma, Connecticut Agricultural Experiment Station
9:00 am	Landscape association of <i>Haemaphysalis longicornis</i> in southern New York State	Nicholas Piedmonte, New York State Dept. of Health
9:15 am	The impact of environmental and biological factors on the blood and sugar feeding behavior of New York <i>Aedes albopictus</i>	Kara Fikrig, Cornell University
9:30 am	Host interactions of <i>Aedes albopictus</i> , an invasive vector of arboviruses, in mid-Atlantic USA	Goudarz Molaei, Connecticut Agricultural Experiment Station
9:45 am	Efficacy of larvicide treatments to suppress <i>Culex pipiens</i> populations	Joseph McMillan, Connecticut Agricultural Experiment Station
10:00 am	BREAK	
10:10 am	Pesticide resistance monitoring network	James Burtis, CDC Division of Vector-Borne Diseases (fmr. Cornell University)
10:30 am	Effects of pyrethroids, carbamates, and growth regulators on <i>Haemaphysalis longicornis</i> in the field and impacts on non-targets	Matthew Bickerton, Rutgers University
10:45 am	Development of a multi-model ensemble to forecast tickborne diseases in the US	Daniel Ruiz Carrascal, Columbia University
11:00 am	Passive and active tick surveillance as predictors of Lyme disease cases in New York State	Maria del Pilar Fernandez, Washington State University (fmr. Columbia University)
11:15 am	Mesonet to Microclimate	Alexander 'Sasha' Keyel, New York State Department of Health, SUNY Albany
11:30 am	NEVDB Poster Session – Lightning Talks	
12:00 pm	LUNCH HOUR BREAK	
1:00 pm	National Public Health Framework for the Prevention and Control of Vector-Borne Diseases in Humans + Updates from CDC-DVBD	Jeff Borchert, CDC Division of Vector-Borne Diseases
1:20 pm	VectorSurv Disease Surveillance System Overview	Chris Barker, University of California Davis
1:35 pm	VectorSurv: New Jersey Experience	Scott Crans, New Jersey State Mosquito Control Commission

1:50 pm	Community engaged surveillance to track the emergence of ticks and tick-borne diseases in New York	Saravanan Thangamani, SUNY Upstate Medical University
2:00 pm	Effect of temperature and relative humidity on the Asian longhorned tick survival	Julia Gonzalez, Rutgers University
2:15 pm	Management of an established population of the <i>Ehrlichia</i> spp. vector <i>Amblyomma americanum</i> using 4-poster feeding devices in coastal Connecticut	Kirby Stafford, Connecticut Agricultural Experiment Station
2:35 pm	BREAK	
2:45 pm	Climatic and environmental determinants of the spatial distribution and abundance of pathogen vectors <i>Ixodes scapularis</i> and <i>Amblyomma americanum</i>	Eliza Little, Connecticut Agricultural Experiment Station
3:00 pm	Methoprene efficacy trial for the control of <i>Culiseta melanura</i> in Massachusetts	Todd Duval, Bristol County Mosquito Control
3:15 pm	CSTE position statement: standardized case definition for Alpha-Gal Syndrome	Allison James, Arkansas Dept. of Health
3:30 pm	Review of NEVBD Master of Entomology Program Curriculum and Outcomes	Laura Harrington, Cornell University
3:45 pm	Vector-Borne Disease Advocacy in 2021	Emily Mader, NEVBD
4:00 pm	Mosquito + Tick Working Group Initiatives 2021	Emily Mader, NEVBD
4:15 pm	Closing Remarks and Review of Poster Session	Laura Harrington, NEVBD
4:30 pm – 5:00 pm	Poster Session - Exit to the Virtual Poster Session platform	

Poster Session Presentations

4:30 – 5:00 pm EST

How to access: Visit VirtualPosterSession.org following the link provided during the NEVBD Annual Meeting

TITLE	PRESENTED BY
Habitat associations and focal Powassan virus persistence in southern Maine	Lindsay Baxter, Cornell University
Mosquito diversity, blood feeding patterns, and arboviral risks at the Nashville Zoo	Cierra Briggs, Cornell University
Knowledge, attitudes, and practices regarding tick-borne diseases in Long Island, New York	Mervin Cuadera, Cornell University
Cache Valley virus and Jamestown Canyon virus surveillance, diversity, and vector competence	Constantin Dieme, Wadsworth Center Arbovirus Laboratory, New York State Dept. of Health
Tick-borne viruses in New York State	Alan Dupuis, New York State Dept. of Health
The growth and pathogenesis of La Crosse Virus lineage 3 strains and vector competence in potential vector mosquitoes	Lindsay Faw, Virginia Tech
Potential for tick-borne pathogen spillover from urban parks to neighborhoods in New York City	Nichar Gregory, Columbia University
Seasonal dynamic of tick species in the ecotone in Central New Jersey	Julia Gonzalez, Rutgers University
<i>Dirofililia immitis</i> in mosquitoes collected from two counties in the Connecticut Statewide Monitoring Program	Kelly Hagadorn, Connecticut Agricultural Experiment Station
Efficacy of a buffalo turbine and A1 mist sprayer for the wide area deployment of larvicide for mosquito control in a suburban setting	Nicholas Indelicato, Mercer County Mosquito Control
Investigating the tripartite interactions between <i>Aedes albopictus</i> , its microbiome and Zika virus under increased temperatures	Maria Onyango, Wadsworth Center Arbovirus Laboratory, New York State Dept. of Health
A computer automated method for counting <i>Haemaphysalis longicornis</i> larvae	Nicholas Piedmonte, New York State Dept. of Health
Role of mesomammals as tick hosts in New York City	Laura Plimpton and Danielle Tufts, Columbia University
Fine-scale modeling of the invasive Asian longhorned tick (<i>Haemaphysalis longicornis</i>) habitat for surveillance and management	Iliia Rochlin, Rutgers University
Evaluation of local tick populations and optimization of tick surveillance on Mashomack Nature Preserve on Shelter Island, NY	Kate Thornburg, Cornell University
Integrating white-tailed deer movement to predict urban <i>Ixodes scapularis</i> dispersal and density	Meredith VanAcker, Columbia University
<i>Haemaphysalis longicornis</i> phenology in southern New York State	Vanessa Vinci, Fordham University Louis Calder Center

