

# 2021 Vector Biology Boot Camp Virtual Lecture Series

## Instructor Team

### Lecture 1. Arthropod Biology & Behavior / Major Regional & Emerging Diseases



Dr. Laura Harrington  
Professor of Entomology, Cornell University  
Program Director, NEVBD

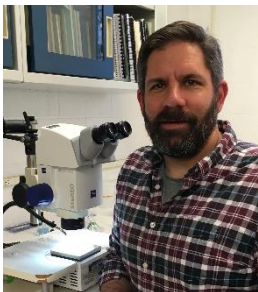


Dr. Philip Armstrong  
Agricultural Scientist  
Connecticut Agricultural Experiment Station

### Lecture 2. Tick and Mosquito Collection & Processing Methods



Nicholas Piedmonte  
Assistant Research Scientist  
New York State Department of Health  
Louis Calder Center, Fordham University



John Shepard  
Assistant Scientist  
Connecticut Agricultural Experiment Station

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### Lecture 3. Data Management & Analysis, GIS Mapping, and Advanced Spatial Statistics



Dr. Maria del Pilar Fernandez  
Assistant Professor  
Washington State University



Dr. Alexander 'Sasha' Keyel  
Postdoctoral Researcher, University at Albany  
Research Affiliate, New York State Department of Health



Dr. Maria Diuk-Wasser  
Professor, E3B  
Columbia University

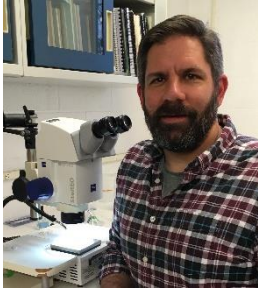
### Lecture 4. Tick and Mosquito Taxonomy



Dr. Kirby Stafford III  
Chief Scientist / State Entomologist  
Connecticut Agricultural Experiment Station

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John Shepard  
Assistant Scientist  
Connecticut Agricultural Experiment Station

### Lecture 5. Vector Control for Ticks and Mosquitoes



Dr. Kirby Stafford III  
Chief Scientist / State Entomologist  
Connecticut Agricultural Experiment Station



Priscilla Matton  
Superintendent and Entomologist  
Bristol County Mosquito Control Project, Massachusetts

### Lecture 6. Public Health Communication



Dr. Amelia Greiner Safi  
Core Faculty, Cornell MPH Program  
Department of Population Medicine & Diagnostic Sciences  
Senior Research Associate, Cornell Department of Communication

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### Lecture 7. Vector-Borne Disease Diagnostics



Melissa Prusinski  
Research Scientist, Laboratory Supervisor  
Vector Ecology Laboratory  
New York State Department of Health



Dr. Alexander Ciota  
Director, Wadsworth Center Arbovirus Laboratory  
New York State Department of Health

### Lecture 8. Pesticide Resistance Monitoring & Mosquito Colony Maintenance



Dr. James Burtis  
Biologist, Bacterial Diseases Branch  
Division of Vector-Borne Diseases, CDC



John Shepard  
Assistant Scientist  
Connecticut Agricultural Experiment Station

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Dr. Laura Harrington  
Professor of Entomology, Cornell University  
Program Director, NEVBD

### Lecture 9. Monitoring for *Metastriate* and *Ixodes* Ticks

Dr. William Nicholson  
Microbiologist, Rickettsial Zoonoses Branch  
Division of Vector-Borne Diseases, CDC

Dr. Erik Foster  
Medical Entomologist, Bacterial Diseases Branch  
Division of Vector-Borne Diseases, CDC

### NEVBD Program Contacts



Emily Mader  
Program Manager, NEVBD  
Department of Entomology, Cornell University

### NEVBD Pesticide Resistance Monitoring Program

Email: [pesticide@cornell.edu](mailto:pesticide@cornell.edu)

Web: <https://www.neregionalvectorcenter.com/resistance>