

Event Agenda

Please Note: The times for each agenda module are subject to change.

WEDNESDAY MAY 28, 2025		
Time	Topic	Instructors
8:00 am - 8:45 am	BREAKFAST & Registration	
9:00 am - 10:00 am	Vector-Borne Disease Communication Approaches <i>Best practices and approaches to communicating with the public, press, and policy makers on vector-borne disease topics</i>	Amelia Greiner Safi ¹
10:00 am - 10:15 am	<i>Break</i>	
10:15 am - 11:00 am	Major Regional Diseases & Emerging Threats <i>Review of major regional diseases of concern</i>	Eli Finkelsztein, MD ²
11:00 am - 12:00 pm	Arthropod Biology & Behavior <i>Review of key elements of arthropod biology, development, life cycle, diet, and behavior</i>	Laura Harrington ³
12:00 pm - 1:15 pm	LUNCH	
1:30 pm - 2:30 pm	Collection & Processing Methods <i>Review of trap types, sampling methods, handling specimens, and applying techniques in multiple settings</i>	Christian Boyer ⁴
2:30 pm - 3:30 pm	Pathogen Testing <i>Overview of methods for pathogen testing in tick and mosquito samples, including best practices for quality control and tracking samples from field to laboratory</i>	Keith Price ⁴
3:30 pm - 3:45 pm	<i>Break</i>	
3:45 pm - 4:30 pm	Data Management & Vector Metrics <i>Review of best practices for data collection and management, calculation of key metrics of entomological risk for both ticks and mosquitoes, and examples of effective data visualization</i>	Emily Mader ³
4:30 pm - 5:30 pm	Introduction to Pesticide Resistance <i>Review of main pesticide products used in region and process for resistance development</i>	Lindsay Baxter ³
6:00 pm - 7:30 pm	DINNER	
7:30 pm - 8:30 pm	Setting of Traps (Optional Exercise) <i>Hands-on setting mosquito traps for collection the following day.</i>	Lindsay Baxter ³ Elisabeth Martin ³ Laura Harrington ³
THURSDAY MAY 29, 2025		
8:00 am - 8:45 am	BREAKFAST	
9:00 am - 12:15 pm	Field Collections & Sampling <i>Hands-on field sampling, collection of mosquito traps, and processing of specimens</i>	Lindsay Baxter ³ Laura Harrington ³
12:30 pm - 1:45 pm	LUNCH	
1:15 pm - 1:45 pm (30 min)	Taxonomy & Arthropod ID Lab: Ticks <i>Tick morphology and identification. Students work through a reference collection.</i>	Megan Linske ⁵
3:00 pm - 3:15 pm	<i>Break</i>	
3:15 pm - 4:30 pm	Taxonomy & Arthropod ID Lab: Ticks <i>Tick morphology and identification. Students work through a reference collection.</i>	Megan Linske ⁵
4:30 pm - 5:30 pm	Pesticide Resistance Monitoring Assays <i>Review of bottle bioassay, larvicidal assay, with hands-on exercise</i>	Lindsay Baxter ³ Elisabeth Martin ³
6:30 pm - 9:00 pm	KEYNOTE DINNER	

FRIDAY MAY 30, 2025		
Time	Topic	Instructors
8:00 am - 8:45 am	BREAKFAST	
9:00 am - 10:00 am	Taxonomy & Arthropod ID Lab: Mosquitoes <i>Mosquito morphology and identification. Students work through a reference collection.</i>	John Shepard ⁵
10:00 am - 10:15 am	<i>Break</i>	
10:15 am - 11:30 am	Taxonomy & Arthropod ID Lab: Mosquitoes <i>Mosquito morphology and identification. Students work through a reference collection.</i>	John Shepard ⁵ Tadhgh Rainey ⁶
11:45 am - 1:00 pm	LUNCH	
1:15 pm - 2:15 pm	Vector Control - Mosquitoes <i>Review of key concepts in mosquito control strategies</i>	Tadhgh Rainey ⁶
2:15 pm - 2:30 pm	<i>Break</i>	
2:30 pm - 3:30 pm	Vector Control - Ticks <i>Review of key concepts in tick control and integrated tick management</i>	James Burtis ⁷
3:30 pm - 5:00 pm	Learning Assessment	Emily Mader
5:00 pm	Program Check-Out / Dinner	

Instructor Affiliations

1. Cornell University, Department of Public & Ecosystem Health (Ithaca, NY)
2. Cayuga Health System, Center for Infectious Diseases (Ithaca, NY)
3. Cornell University, Department of Entomology (Ithaca, NY)
4. Pennsylvania Department of Environmental Protection (Harrisburg, PA)
5. Connecticut Agricultural Experiment Station, Department of Entomology (New Haven, CT)
6. Hunterdon County Mosquito & Vector Control Program (Flemington, NJ)
7. Centers for Disease Control and Prevention, Division of Vector-Borne Diseases (Ft. Collins, CO)