



Medical Entomology Pre-meeting Course:
Vector-Borne Disease Risk and Prevention for the Clinician

October 28, 2018; 7:30 a.m. – 4 p.m.

Sheraton New Orleans, New Orleans, LA, United States

Blood-sucking insects and ticks transmit some of the most devastating, yet in many cases preventable, human diseases including malaria, dengue, chikungunya, Zika, Lyme disease, leishmaniasis and Chagas disease. In this course, we will review the basic biology of major arthropod vectors; discuss the geographic and behavioral risks posed by vector-borne diseases; and present preventive options, including personal protection and environmental control methods. The course is designed to help medical professionals advise their patients about the risks and prevention measures against biting insects and ticks. A Q&A session on common client questions, how to address them and where to find resources will be provided.

Course Organizers:

Philip Armstrong, ScD, Department of Environmental Sciences, Connecticut Agricultural Experiment Station, New Haven, Connecticut, United States

Christopher Barker, PhD, Associate Professor, University of California, Davis, Davis, California, United States

Laura Harrington, PhD, Professor and Chair, Department of Entomology, Cornell University, Ithaca, New York, United States

AGENDA

7:30 a.m. Light Continental Breakfast

8 a.m. **Overview of the Course – Introduction to Vectors and their Diseases**
Laura Harrington, PhD, Professor and Chair, Department of Entomology, Cornell University, Ithaca, New York, United States

8:30 a.m. **Ticks and Lyme Disease**
Douglas MacQueen, MD, Cayuga Medical Center, Ithaca, New York, United States

9:30 a.m. **Mosquitoes and Malaria**
Brian Foy, PhD, Arthropod-Borne and Infectious Disease Laboratory, Colorado State University, Fort Collins, Colorado, United States

10:30 a.m. Coffee Break

- 10:45 a.m. **Mosquitoes and Arboviral Diseases**
Philip Armstrong, ScD, Department of Environmental Sciences, Connecticut Agricultural Experiment Station, New Haven, Connecticut, United States
- 11:45 a.m. Lunch (On your own)
- 1 p.m. **Kissing Bugs and Chagas Disease**
Sarah Hamer, PhD, Assistant Professor Veterinary Integrative Biosciences, Texas A&M University, College Station, Texas, United States
- 2 p.m. **Environmental Risk and Prevention Against Sandfly Vectors of Leishmaniasis**
Christine Petersen, DVM, PhD, College of Public Health, University of Iowa, Iowa City, Iowa, United States
- 3 p.m. **Question and Answer Session**
Philip Armstrong, ScD, Department of Environmental Sciences, Connecticut Agricultural Experiment Station, New Haven, Connecticut, United States

Christopher Barker, PhD, Associate Professor, University of California, Davis, Davis, California, United States

Laura Harrington, PhD, Professor and Chair, Department of Entomology, Cornell University, Ithaca, New York, United States

Douglas MacQueen, MD, Cayuga Medical Center, Ithaca, New York, United States
- 4 p.m. Course Adjourns