



Medical Entomology Pre-Meeting Course:
Vector-Borne Disease Risk and Prevention for the Clinician
Thursday, November 12, 2020; 9 a.m. – 4:15 p.m. EST
Virtual

(All times Eastern Standard Time)

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 highlight 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.

Course Organizers:

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

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

AGENDA

- 9 a.m. **Overview of the Course – Vector Biology 101**
Christopher Barker, PhD, Associate Professor, University of California, Davis, Davis, California, United States
- 9:30 a.m. **Ticks and Lyme Disease**
Robert P. Smith, MD, MPH, Director, Division of Infectious Diseases, Maine Medical Center, Portland, Maine, United States
- 10:30 a.m. **Mosquitoes and Malaria**
Nicole Achee, PhD, Medical Entomologist, Department of Biological Sciences, Eck Institute for Global Health, University of Notre Dame, Notre Dame, Indiana, United States
- 11:30 a.m. Break
- 11:45 a.m. **Mosquitoes and Arboviral Diseases**
Laura Harrington, PhD, Professor, Department of Entomology, Cornell University, Ithaca, New York, United States

- 12:45 p.m. Lunch
- 1:15 p.m. **Emerging Vector Borne Disease Epidemiology**
Christopher Gregory, MD, MPH, Chief, Arboviral Diseases Branch (ADB), Division of Vector-Borne Diseases, Centers for Disease Control and Prevention, Ft. Collins, Colorado, United States
- 2:15 p.m. **Kissing Bugs and Chagas Disease**
Pamela Pennington, PhD, Professor, Universidad Del Valle de Guatemala, Guatemala City, Guatemala
- 3:15 p.m. **Question and Answer Session**
All Faculty
- 4:15 p.m. Course Adjourns