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
Moderators: Christopher Barker, PhD and Laura Harrington, PhD
All Faculty

4:15 p.m.  Course Adjourns