



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

November 15, 2020; 7:30 a.m. – 4 p.m.

Metro Toronto Convention Centre, Toronto, Ontario, Canada

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

- 7:30 a.m. Light Continental Breakfast
- 8 a.m. **Overview of the Course – Vector Biology 101**
Christopher Barker, PhD, Associate Professor, University of California, Davis, Davis, California, United States
- 8:30 a.m. **Ticks and Lyme Disease**
TBD
- 9:30 a.m. **Mosquitoes and Malaria**
Nicole Achee, PhD, Department of Biological Sciences, Eck Institute for Global Health, University of Notre Dame, Notre Dame, Indiana, United States
- 10:30 a.m. Coffee Break

- 10:45 a.m. **Mosquitoes and Arboviral Diseases**
Laura Harrington, PhD, Professor, Department of Entomology, Cornell University, Ithaca, New York, United States
- 11:45 a.m. Lunch (On your own) Vectors on Display
- 1 p.m. **Emerging Vector Borne Disease Epidemiology**
Tyler Sharp, PhD, Centers for Disease Control and Prevention, San Juan, Puerto Rico, United States
- 2 p.m. **Kissing Bugs and Chagas Disease**
Pamela Pennington, PhD, Universidad Del Valle de Guatemala, Guatemala City, Guatemala
- 3 p.m. **Question and Answer Session**
All Faculty
- 4 p.m. Course Adjourns