



Arbovirology Pre-meeting Course:

Clinical Presentation and Management of Arboviral Diseases: Lessons from the Bedside for Researchers at the Bench or in the Bush

November 5, 2017; 7 a.m. – 3:15 p.m.

Hilton – Holiday Ballroom 5 (East Building, Second Floor)
Baltimore, Maryland

Facing ongoing global arbovirus outbreaks in people and animals, the American Committee on Arbovirology (ACAV) pre-meeting course will educate arbovirology researchers from the laboratory and field on clinical arbovirus disease. Participants will learn the clinical presentations of pathogenic arboviruses of humans and animals, how to diagnose and treat infections, and current progress on arbovirus therapeutics and vaccines in development. The course will focus on flaviviruses including Zika virus, alphaviruses and bunyaviruses that cause arthralgic, hemorrhagic or encephalitic disease.

Course Organizers:

Lark Coffey, PhD, Assistant Professor, University of California-Davis School of Veterinary Medicine, Davis, California, United States

Kathryn Hanley, PhD, Professor, Department of Biology, New Mexico State University, Las Cruces, New Mexico, United States

A. Desiree LaBeaud, MD, Associate Professor of Pediatrics, Stanford University, Stanford, California, United States

AGENDA

7 a.m. Light Continental Breakfast

7:45 a.m. Welcome and Introduction by Course Organizers

Lark Coffey, PhD, Assistant Professor, University of California-Davis School of Veterinary Medicine, Davis, California, United States

Kathryn Hanley, PhD, Professor, Department of Biology, New Mexico State University, Las Cruces, New Mexico, United States

A. Desiree LaBeaud, MD, Associate Professor of Pediatrics, Stanford University, Stanford, California, United States

- 8 a.m. **Diagnosis and Treatment of Arthralgic and Hemorrhagic Arboviruses in Humans**
Stephen J. Thomas, MD, FACP, FIDSA, FASTMH, Professor of Medicine, Chief, Division of Infectious Diseases, State University of New York Upstate Medical University, Syracuse, New York, United States
- 8:45 a.m. **Diagnosis and Treatment of Encephalitic Arboviruses in Humans**
Tom Solomon, MD, PhD, Professor, Institute of Infection and Global Health, University of Liverpool, Liverpool, United Kingdom
- 9:30 a.m. **Special Consideration of Prenatal Infection with Arboviruses in Humans**
A. Desiree LaBeaud, MD, Associate Professor of Pediatrics, Stanford University, Stanford, California, United States
- 10:00 a.m. Coffee Break
- 10:15 a.m. **Diagnosis and Treatment of Arthralgic and Hemorrhagic Arboviruses in Animals**
Richard Bowen, DVM, PhD, Professor, Department of Biomedical Sciences, Colorado State University, Fort Collins, Colorado, United States
- 11:00 a.m. **Diagnosis and Treatment of Encephalitic Arboviruses in Animals**
Kristen Bernard, DVM, PhD, Associate Professor, School of Veterinary Medicine, University of Wisconsin-Madison, Madison, Wisconsin, United States
- 11:45 a.m. Lunch (On your own)
- 1 p.m. **Current State of Flavivirus Vaccines**
Anna Durbin, MD, Professor, International Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, Maryland, United States
- 1:45 p.m. **Current State of Alphavirus Vaccines**
Shannan Rossi, PhD, Research Scientist, Department of Pathology, University of Texas Medical Branch, Galveston, Texas, United States
- 2:30 p.m. **Arbovirus Therapeutics: What's Flowing Fastest in the Pipeline?**
Pei-Yong Shi, PhD, I.H. Kempner Professor of Human Genetics, Department of Biochemistry and Molecular Biology, University of Texas Medical Branch, Galveston, Texas, United States
- 3:15 p.m. Course Adjourns