

**2024 Annual Meeting**  
November 13–17 New Orleans, LA  
New Orleans Ernest N. Morial Convention Center  
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**Advancing Science  
Building Community  
Together**

**Medical Entomology (ACME) Pre-Meeting Course:  
Medical Entomology for the Public Health Practitioner & Clinician**  
Wednesday, November 13, 2024; 7:30 a.m. – 4 p.m.  
Tulane School of Public Health & Tropical Medicine  
1440 Canal St, New Orleans, LA, United States

Vector-borne diseases have shaped the formation of cities and continue to have profound impacts on our global community. This is especially true for the city of New Orleans, the site of the last outbreak of yellow fever in the United States. Tulane University's Schools of Medicine and of Public Health and Tropical Medicine were founded in 1834, from the university's founding physicians' desire to study and control public health threats in the environments in which they occur. The course is designed for medical professionals, epidemiologists, and student trainees and includes field and laboratory sessions and short talks on malaria, dengue and Chagas disease from experts in medical entomology and clinical care. We will also address preventative options against vectors and discuss current issues affecting vector-borne disease expansion, including climate change.

**Course Organizers:**

*Berlin Londono, PhD, Department of Tropical Medicine & Infectious Disease, Tulane University School of Public Health & Tropical Medicine, New Orleans, Louisiana, United States*

*Sarah R. Michaels, PhD, MSPH, Department of Tropical Medicine & Infectious Disease, Tulane University School of Public Health & Tropical Medicine, New Orleans, Louisiana, United States*

*Maria Luísa Simões, PhD, Department of Biomedical Sciences, Institute of Tropical Medicine Antwerp, Antwerp, Belgium*

**AGENDA**

7:30 a.m. Coffee and Light Refreshments

8 a.m. **Welcome & Overview of the Course – Introduction to Arthropod-borne Diseases**  
*Ronald Blanton, MD, MS, Chair, Department of Tropical Medicine & Infectious Disease, Tulane University School of Public Health & Tropical Medicine, New Orleans, Louisiana, United States*

*Sarah R Michaels, PhD, MSPH, Department of Tropical Medicine & Infectious Disease, Tulane University School of Public Health & Tropical Medicine, New Orleans, Louisiana, United States*

*Adriana Troyo, PhD, ACME Chair, Professor, Department of Parasitology, School of Microbiology and Vectors Research Laboratory, Tropical Diseases Research Center, University of Costa Rica, San Pedro, San José, Costa Rica*

- 8:30 a.m.     **Clinical & Diagnostic Tools for Diseases Vectedored by Fleas & Ticks**  
*Adriana Troyo, PhD, ACME Chair, Professor, Department of Parasitology, School of Microbiology and Vectors Research Laboratory, Tropical Diseases Research Center, University of Costa Rica, San Pedro, San José, Costa Rica*
- 9 a.m.        **Malaria: Emerging Technology & Mosquito Vectors**  
*Maria Luísa Simões, PhD, Associate Professor, Department of Biomedical Sciences, Institute of Tropical Medicine Antwerp, Antwerp, Belgium*
- 9:30 a.m.     **Arboviral Disease: Immunology, Clinical Diagnostics & Mosquito Vectors**  
*Berlin Londono, Assistant Professor, PhD, Department of Tropical Medicine & Infectious Disease, Tulane University School of Public Health & Tropical Medicine, New Orleans, Louisiana, United States*
- 10 a.m.       **Chagas Disease: Physician Outreach & Kissing Bugs**  
*Claudia Herrera Bernal, PhD, MSc, Department of Tropical Medicine & Infectious Disease, Tulane University School of Public Health & Tropical Medicine, New Orleans, Louisiana, United States*
- 10:30 a.m.    Coffee Break
- 10:45 a.m.     **Laboratory Identification of Insects & Arthropods of Medical Importance**  
*Brian Byrd, PhD, MSPH, Professor, Mosquito and Vector-borne Infectious Disease Laboratory, Environmental Health Sciences, Western Carolina University, Cullowhee, North Caroline, United States*  
  
*Megan Saunders, PhD, MSPH, Senior Public Health Biologist, Vector-Borne Disease Section, California Department of Public Health, Richmond, California, United States*
- Noon          Lunch (Lunch provided)
- 12:45 p.m.    **Field Site Visit in Historic New Orleans Cemetery**  
*Emily A. Ford, MSPH, Cemetery Historian & Preservationist, Oak & Laurel Cemetery Preservation, LLC, New Orleans, Louisiana, United States*  
  
*Catherine Pruszyński, PhD, MSPH, Research Biologist at Florida Keys Mosquito Control District, Key West, Florida, United States*  
  
*Katie Westby, PhD, MSPH, Tyson Research Center, Washington University in St. Louis, Eureka, Missouri, United States*
- 2:30 p.m.     **Clinical Case Studies: Diagnosis, Prophylaxis & Prevention of Vector-borne Disease**  
*John Carlson, MD, PhD, Sections of Allergy & Immunology and Community Pediatrics & Global Health, Tulane School of Medicine, New Orleans, Louisiana, United States*
- 3:30 p.m.     **Question and Answer Session and Course Wrap-up**
- 4 p.m.        **Course Adjourns**