

Mitigating Arboviral Threats and Strengthening Public Health Preparedness

A Workshop

December 12-13, 2023

9:00 AM – 5:00 PM ET

Virtual webcast or in person at the NAS Building | 2101 Constitution Ave. NW, Washington, DC | Lecture Room

Day 1: Current Landscape and Risk Assessment of Arboviral Threats

9:00 – 9:15 am	<p>Welcome remarks, workshop overview, and goals</p> <p>Welcome Peter Daszak, EcoHealth Alliance <i>Workshop co-chair</i> <i>Chair, Forum on Microbial Threats</i></p> <p>Introduction and workshop overview Thomas W. Scott, University of California, Davis <i>Workshop co-chair</i></p>
9:15 – 9:45 am	<p>Advancing global arbovirus research priorities</p> <p>Eve Lackritz, CIDRAP</p>
9:45 – 11:15 am	<p>Session 1: Current and Emerging Threats from Arboviral Disease – Burden and Future Risk</p> <p>Moderator: Marcos Espinal, PAHO</p> <p>The threat of arbovirus diseases: current status and mitigation efforts Duane Gubler, Duke National University of Singapore</p> <p>Country and regional experience: impacts and challenges of arbovirus control Sylvain Aldighieri, PAHO</p> <p>Challenge of prevention and control of arboviruses in the US Laura Kramer, State University of New York at Albany</p> <p>Raman Velayudhan, WHO</p> <p>Q&A</p>

11:15 – 11:30 am	BREAK
11:30 am – 1:00 pm	<p>Session 2: Assessing and Detecting Arboviral Risk</p> <p>Moderator: Eva Harris, University of California, Berkeley</p> <p><u>Surveillance</u></p> <p>Epidemiological surveillance Diana Rojas, WHO</p> <p>Genomic surveillance Nuno Faria, Imperial College London</p> <p>Integrated surveillance and risk assessment: case study from Singapore Lee-Ching Ng, Environmental Health Institute Singapore</p> <p><u>Diagnostics</u></p> <p>Diagnostics for arbovirus mitigation Rosanna Peeling, London School of Hygiene and Tropical Medicine</p> <p>Q&A</p>
1:00 – 2:00 pm	LUNCH
2:00 – 3:30 pm	<p>Session 3: Response to Arboviral Threats</p> <p>Moderator: Ann Powers, CDC</p> <p>Arbovirus vaccines: dengue case study Gabriela Paz-Bailey, CDC</p> <p>Vector control Thomas W. Scott, University of California, Davis</p> <p>Integrated surveillance in the Americas Thais dos Santos, PAHO</p> <p>Predictive tools and modeling Oliver Brady, London School of Hygiene and Tropical Medicine</p> <p>Q&A</p>
3:30 – 3:45 pm	BREAK

3:45 – 4:45 pm	<p>Session 4: Lessons Learned from Previous Outbreaks</p> <p>Moderator: Kent Kester, IAVI</p> <p>Previous arbovirus outbreaks Erin Staples, CDC</p> <p>COVID-19 Peter Hotez, Baylor College of Medicine</p> <p>Q&A</p>
4:45 – 5:00 pm	<p>Synthesis and adjourn</p> <p>Peter Daszak, EcoHealth Alliance</p>
END OF DAY 1	

Day 2: Innovation for Future Arbovirus Mitigation	
9:00 – 9:15 am	<p>Welcome remarks, review of day 1</p> <p>Peter Daszak, EcoHealth Alliance</p>
9:15 – 10:45 am	<p>Session 5: Arbovirus Spillover and Spread</p> <p>Moderator: Peter Daszak, EcoHealth Alliance</p> <p>Spillover and emergence of zoonotic pathogens Jamie Lloyd-Smith, University of California, Los Angeles</p> <p>Implementation science: operationalizing One Health data Nikos Vasilakis, University of Texas Medical Branch</p> <p>Arbovirus risk assessment Segaran Pillai, Food and Drug Administration</p> <p>Behavior change to prevent arboviral disease Valerie Paz-Soldán, Tulane University</p> <p>Q&A</p>

10:45 – 11:00 am	BREAK
11:00 am – 12:30 pm	<p>Session 6: Urban Development and Management</p> <p>Moderator: Linda Lloyd, San Diego State University</p> <p>Building out Aedes: eliminating dengue as an urban threat Steven Lindsay, Durham University</p> <p>Public health in urban environments Graham Alabaster, UN Habitat</p> <p>Case study from Singapore Eng Eong Ooi, Duke National University of Singapore</p> <p>Urban mosquito control in Africa and the new mosquito on the block Anne Wilson, Liverpool School of Tropical Medicine</p> <p>Q&A</p>
12:30 – 1:30 pm	LUNCH
1:30 – 3:00 pm	<p>Session 7: Strengthening Preparedness for Arboviral Diseases</p> <p>Moderator: Albert Ko, Yale University</p> <p>Panel Discussion: innovative and sustainable solutions for arbovirus mitigation Lee Ching Ng, Environmental Health Institute of Singapore Linda Lloyd, San Diego State University Audrey Lenhart, CDC Kariuki Njenga, Washington State University</p> <p>Q&A</p>
3:00 – 3:15 pm	<p>Synthesis and close</p> <p>Thomas W. Scott, University of California- Davis</p>
END OF WORKSHOP	