

# 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

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

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

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

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

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