Day 1: Current Landscape, Risk Assessment, and Interventions

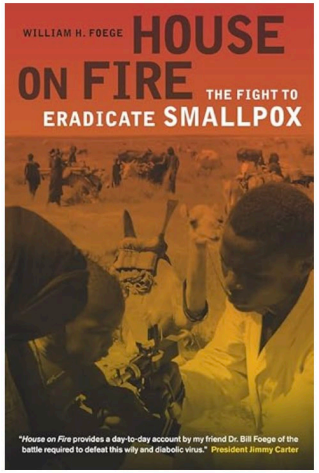
- Drivers and challenges of arbovirus expansion
- Advances in diagnostics
- Integrated surveillance and risk assessment
- Assimilation and analysis of surveillance data (maps and models)
- Status of interventions tools
- Averting an arbovirus tsunami

Day 2: Innovation for Arbovirus Mitigation Spillover and Spread

Peter Daszak - Jamie Lloyd-Smith, Nikos Vasilakis, Segaran Pillai, and Valerie Paz-Soldan

- Analytical tools: Understand animal-to-human transmission, which requires a series of critical events for spread, that can be used to identify viruses of greatest concern and teasing apart elements of spillover that can identify targets for intervention
- Mechanisms to assimilate, interpret, and implement data: Identify drivers of virus emergence and spread to better understand and interfere with outbreaks
- Systematic process to catalogue arbovirus risk: Stratify viruses by degree of health concern (diagnosis and intervention)
- Implementation, behavioral, and social science: Need to extend assessing public health value of a tool (efficacy) to details associated with real world implementation (effectiveness)

Day 2: Innovation for Arbovirus Mitigation Urban Development and Management



Linda Lloyd – Steven Lindsay, Graham Alabaster, Eng Eong Ooi, and Anne Wilson

- Building *Aedes* out: A city-led locally adapted new paradigm for proactive urban arboviral disease prevention
- Linking arboviral disease control with the Resilient Cities and Healthy Cities Healthy People Networks has the potential to reduce disease and increase co-benefits in quality of health, which can strengthen community and political support
- Two-pronged approach: Immediate and long-term strategies
- Urban expansion is an opportunity for local public health improvement (not retrofit, new construction), pilot projects can lead the way to co-benefits and mobilize local support
- The case for case studies encouraging innovation, impact on standard of living and economics
- Urban malaria control is a co-benefit from building *Aedes* out