Phylodynamic Monitoring of HIV Transmission Hotspots to End the HIV Epidemic
Main Conference Room, 1D13
5601 Fishers Lane, Rockville, MD
Wednesday, March 18, 2020

7:45am  Registration/check-in begins
8:30 am  Welcome and Opening Remarks – Carl Dieffenbach, PhD, National Institutes of Health, Division of AIDS

Session 1: Monitoring at the National Level
Moderator: (TBD)

8:45 am  Role of Phylodynamic Analysis in “Ending the HIV Epidemic: A Plan for America” – Eugene McCray, MD, Centers for Disease Control

9:00 am  Using Molecular Data to Prompt Response at the CDC – Alexa Oster, MD, CAPT, USPHS, Centers for Disease Control

9:30 am  BREAK

10:00 am  Panel Discussion: Community Perspectives on the Responsible Use of HIV Molecular Data
Panelists:
  • Venita Ray, JD (Co-Chair)  
    Positive Women’s Network - USA
  • Matthew Rose (Co-Chair)  
    Health GAP
  • Gina Brown, MSW  
    Southern AIDS Coalition
  • Brian Minalga, MSW  
    Office of HIV/AIDS Network Coordination, Fred Hutch
  • Ronald Johnson  
    U.S. People Living With HIV Caucus
  • Larry Scott-Walker  
    THRIVE Support Services

11:00 am  HPTN 071 PopART Study Methodologies – Christophe Fraser, PhD, University of Oxford

11:30 pm  LUNCH (1 hr. on your own)
**Session 2: Monitoring at the Local Level**

**Moderator:** Thomas Quinn, MD, *National Institutes of Health, National Institute of Allergy and Infectious Diseases*

12:30 pm  **Automation and Evaluation of Real-Time Transmission Network-Based HIV Prevention Services in New York City** – Joel Wertheim, PhD, *University of California, San Diego*

1:00 pm  **Timely monitoring and response to HIV transmission networks for intensified prevention** – Ann Dennis, MD, *University of North Carolina, Chapel Hill*

1:30 pm  **Real Time Phylogeny and Contact Tracing to Disrupt HIV Transmission** – Rami Kantor, MD, *Brown University*

2:00 pm  **Do real world partner services initiated from molecular clusters yield people with viremia or new HIV?** – John Schneider, MD, MPH, *University of Chicago*

2:30 pm  **BREAK**

**Session 3: New and Emerging Tools and Methods**

**Moderator:** Richard D’Aquila, MD, *Northwestern University*

3:00 pm  **Leveraging public health genotyping databases for near real-time HIV monitoring** – Thomas Leitner, PhD, *Los Alamos National Laboratory*

3:30 pm  **HIV Dynamic Modelling for Identification of Transmission Epicenters (HIV-DYNAMITE)** – Mattia Prosperi, M.Eng., PhD, *University of Florida*

3:45 pm  **Pilot Study to Monitor HIV Cluster Dynamics and Active HIV sub-Epidemics in Real Time** – Vladimir Novitsky, MD, PhD, *Brown University*

4:00 pm  **Panel Discussion: Bringing It All Together: Practical Considerations for Implementation of Phylodynamic Monitoring to End the HIV Epidemic in the United States**

Panelists:
- Anne Marie France, MPH, PhD *(Co-Chair)*  
  *Centers for Disease Control*
- Nanette Benbow, PhD *(Co-Chair)*  
  *Northwestern University*
- Sean Bland, JD  
  *Georgetown University*
- Moctezuma Garcia, PhD  
  *Tulane University*
• Kevin Cranston, MDiv  
  Massachusetts Department of Public Health  
• Analise Monterosso, MPH (TBD)  
  Texas Department of State Health Services

5:00 pm  ADJOURN

Disclaimer: Conference attendees and/or presenters are responsible for meals and/or light refreshments on their own and at their own cost. Government staff and/or government contractors may not be involved in the provision or facilitation of food and/or light refreshments for conference attendees and/or presenters.