



HIV Incidence Assays: Using Data to Drive Decisions

Co-hosted by FIND (Foundation for Innovative New Diagnostics) and The Bill and Melinda Gates Foundation

February 23, 2015

Lake Union, Green Lake and Lake Washington Rooms, Seattle Campus
500 5th Ave. North, Seattle, WA

8:00 AM: Arrivals and Registration (breakfast available)

Session 1: HIV Incidence Assays; Using Data to Drive Decisions

Co-chaired by Peter Dailey, FIND and Christine Rousseau, BMGF

Start	Presentation Title	Speaker	Organization
8:30 AM	Welcome and Introduction: The Keys to Using Data to Drive Decisions	Christine Rousseau and Geoff Garnett	Bill and Melinda Gates Foundation
8:45 AM	Opening Keynote: HIV Incidence from Non-Assay- and Assay-Based Methods: Need to Speed up Development and Validation of Assay-Based Methods	Peter Ghys	UNAIDS
9:15 AM	Cross-sectional HIV Incidence Assays: Lessons Learned, Current Gaps and Areas for Future Focus	Neil Parkin	FIND
9:30 AM	Knowing What We Know Now: Using HIV Incidence Assays in National Population-Based Surveys	Kimberly Marsh	UNAIDS
9:40 AM	WHO Working Group on HIV Incidence Assays	Txema Calleja	World Health Organization
9:50 AM	The Consortium for Evaluation of Performance of HIV Incidence Assays (CEPHIA)	Gary Murphy	Public Health England
10:05 AM	CEPHIA: Evaluation of Existing HIV Incidence Assays Alone and in Combination with Viral Load	Alex Welte	Stellenbosch University (SACEMA)
10:20 AM	Q&A, Discussion		

10:30 AM Coffee/tea break



Start	Presentation Title	Speaker	Organization
10:45 AM	Implementation of the Limiting Antigen HIV Incidence Assay (LAG) in Resource Limited Settings	Bharat Parekh	CDC/GAP
11:00 AM	Eliminating False Recent Assay Results with a Testing Algorithm	Oliver Laeyendecker	NIAID/JHU/HPTN
11:15 AM	HIV Incidence testing and cascade of care: HIV Impact in Population Surveys	David Maman	Epicentre/Medecins Sans Frontieres
11:30 AM	From Theory to Practice: HIV Incidence Testing, South Africa 2012	Thomas Rehle	Human Sciences Research Council, South Africa
11:45 AM	Defining Use Cases for HIV Incidence Assays	Peter Dailey and Mickey Urdea	FIND, Halteres
12:00 PM	Q&A, Discussion		
12:10 PM	Conclusions/overview	Christine Rousseau; Peter Dailey and Neil Parkin	BMGF; FIND

12:20 PM Lunch Break

Session 2: New Biomarkers Part 1 (BMGF-funded)

Co-chaired by Neil Parkin, FIND and Jen Osborn, BMGF

Start	Presentation Title	Speaker	Organization
1:05 PM	Introduction to Biomarker Discovery for HIV Incidence Assays	Neil Parkin	FIND
1:10 PM	CEPHIA Process for HIV Incidence Assay Discovery	Chris Pilcher	UC San Francisco
1:20 PM	HIV Incidence Assays: Exploring Inflammatory Markers	Julia Blanco	CRESIB
1:30 PM	Multiplex Antibody and Cell-Associated Viral Load for HIV Incidence Assays	Georgia Tomaras	Duke University
1:45 PM	Metabolite Profiles in Recent Infection	Carolyn Slupsky	Metabolistics Inc.
1:55 PM	Detection of Recent HIV-1 Infections Based on Naturally Inspired Synthetic Oligomers	Donald Burke	University of Pittsburgh



Start	Presentation Title	Speaker	Organization
2:10 PM	Circulating microRNAs and Envelope Gene Diversity as Biomarkers of Recent HIV-1 Infection	Satish Pillai	Blood Systems Research Institute
2:25 PM	Q&A, Discussion		

Session 3: New Biomarkers Part 2 (NIH-funded)

Chaired by David Burns, Division of AIDS, NIH

Start	Presentation Title	Speaker	Organization
2:35 PM	HIV Recency Estimation: Highly Informative Genetic Regions And Viral-sequence-based Assay Evaluation Biases	Julia Wu/Oscar Patterson	Harvard University School of Public Health
2:45 PM	Use of HIV Diversity as a Biomarker for Cross-Sectional HIV Incidence Estimation	Susan Eshleman	Johns Hopkins University/HPTN
2:55 PM	Current Status of High Throughput HIV Genomic Incidence Assays	Ha Youn Lee	Keck School of Medicine, University of Southern California
3:05 PM	Bioinformatic Approaches to Characterize HIV Populations	Frank Maldarelli	NIH/NCI
3:15 PM	Rapid HIV Incidence Assay	Patricia Garrett	Immunetics, Inc.
3:25 PM	Novel Rapid Test to Determine Recency of HIV-1 Infections	Steve Piacentini	Sedia
3:35 PM	Q&A, Discussion		

3:50 PM Conclusions/overview (Neil Parkin, FIND)

4:00 PM Adjourn

A shuttle bus will be available for those attending the CROI conference with a pick-up location at the EMP Museum turnaround (opposite of the Bill & Melinda Gates Foundation Visitor Center) and drop off at the Washington State Convention Center. Pick up time from 4:10 pm to 4:25 pm PST.