



Optimizing Testing for HIV, STIs and HCV in Laboratories, Public Health Programs and Clinical Practice

Draft Conference Program

Monday, March 25 2019

- 12:00 PM – 7:00 PM** **On-site Registration**
- 4:00 PM – 4:15 PM** **Opening Lecture: *HIV, STI, and HCV, Oh My!***
Marty Soehnlén, PhD, Conference Co-Chair; Michigan Department of Health and Human Services
- 4:15 PM – 6:00 PM** **Conference Primer**
Moderator: Marty Soehnlén, PhD, Michigan Department of Health and Human Services
- 4:15 PM – 4:35 PM **Current Epidemiology of HIV in America**
John Brooks, MD, Centers for Disease Control and Prevention
- 4:35 PM – 4:50 PM **Overview of HIV Testing Practices and Technology**
S. Michele Owen, PhD, Centers for Disease Control and Prevention
- 4:50 PM – 5:05 PM **Hepatitis C Virus Diagnostic Methodologies**
Saleem Kamili, PhD, Centers for Disease Control and Prevention
- 5:05 PM – 5:20 PM **HIV is an STI – Let's Not Forget the Other Curable STI that Play a Role in HIV Prevention & Control**
Barbara Van der Pol, PhD, American Sexually Transmitted Diseases Association
- 5:20 PM – 5:35 PM **Update from FDA on Reclassification of HCV and HIV Diagnostic Tests from Class III to Class II**
Julia Lathrop, PhD, U.S. Food and Drug Administration
- 5:35 PM – 6:00 PM Moderated Q&A
- 6:00 PM – 7:00 PM** **Welcome Reception**

Tuesday, March 26 2019

- 7:00 AM – 6:00 PM** **On-site Registration**
- 7:00 AM – 8:15 AM** **Breakfast in the Imperial Ballroom**
- 8:15 AM – 8:30 AM** **Welcome**
TBD
- 8:30 AM – 10:15 AM** **Session A: Implementation and Impact of the HIV Laboratory Algorithm in the US**
Moderator: Ana María Cárdenas, PhD, D(ABMM), Children's Hospital of Philadelphia
- 8:30 AM – 8:45 AM **A1. Shared Service Success: Six Years of HIV Nucleic Acid Testing for US Public Health Laboratories**
Anne Gaynor, PhD, Association of Public Health Laboratories
- 8:45 AM – 9:00 AM **A2. Identifying Acute HIV Infection, National HIV Surveillance System**
Laurie Linley, MPH, Centers for Disease Control and Prevention
- 9:00 AM – 9:15 AM **A3. Trends in Diagnosis of Acute HIV Infection, New York City, 2010-2017**
Emily Westheimer, MS, New York City Department of Health and Mental Hygiene
- 9:15 AM – 9:30 AM **A4. An Improved 4th Generation Prototype Assay for Earlier Detection of HIV Acute Infection**
Xiaoxing Qiu, PhD, Infectious Disease Research, Abbott Diagnostics
- 9:30 AM – 9:45 AM **A5. Improved HIV diagnostic report turnaround time using the HIV algorithm workflow system**
Erin Goecker, MS, University of Washington
- 9:45 AM – 10:00 AM **A6. Routine HIV Testing Results in 6 U.S. Clinical Laboratories Using the CDC/APHL Laboratory HIV Testing Algorithm with Geenius HIV 1/2 Supplemental Assay**
Laura Wesolowski, PhD, Centers for Disease Control and Prevention
- 10:00 AM – 10:15 AM Moderated Q&A
- 10:15 AM — 10:30 AM** **Morning Break**
- 10:30 AM – 12:00 PM** **Session B: Updates on HIV-2 Testing in the US**
Moderator: Monica Parker, PhD, New York State Department of Health, Wadsworth Center
- 10:30 AM – 10:45 AM **B1. Avioq VioOne HIV Profile Supplemental Assay for confirmation and differentiation of HIV-1 and HIV-2 antibodies**
Michael Cronin, MS, Avioq, Inc

- 10:45 AM – 11:00 AM **B2. Differentiation between HIV-2 Single-Infection and HIV-1/2 Dual-Infection by the Bio-Rad Geenius™ HIV 1/2 Supplemental Assay**
Ming Chang, PhD, MB(ASCP), University of Washington
- 11:00 AM – 11:15 AM **B3. An Evaluation of Qualitative HIV-2 RNA Referral Testing**
Linda Styer, PhD, New York State Department of Health, Wadsworth Center
- 11:15 AM – 11:30 AM **B4. Clinical HIV-2 Viral Load Testing of a Large Population of HIV-2 Infected Individuals**
Linda Styer, PhD, New York State Department of Health, Wadsworth Center
- 11:30 AM – 11:45 AM **B5. HIV-1/2 Differentiation in the U.S. HIV Laboratory Testing Algorithm: High Burden, Low Yield**
Anne Peruski, PhD, Centers for Disease Control and Prevention
- 11:45 AM – 12:00 PM Moderated Q&A
- 12:00 PM – 1:15 PM** **Satellite Lunch Symposium Presented by ASHA and ASTDA**
This session is sponsored by Hologic, Inc.
- 1:15 PM – 2:15 PM** **Discussion Panel: Strategies and Stories of Improved Partnerships Between Laboratory and Programs**
Moderator: *Marty Soehnlén, PhD Michigan Department of Health and Human Services*
Discussants:
Christopher Finch, BS — Michigan Department of Health and Human Services
Nicolas Epie, PhD — Indiana State Public Health Laboratory
Monica Parker, PhD — New York State Department of Health, Wadsworth Center
Kristie Schwarzkopf, BS — North Dakota Department of Health
- 2:15 PM – 3:15 PM** **Session C: Roles for Quantitative and Qualitative Nucleic Acid Tests in Diagnostic Algorithms (Part 1)**
Moderator: *Joseph Yao, MD, Mayo Clinic*
- 2:15 PM – 2:30 PM **C1. Performance evaluation of a point-of-care whole blood viral load test (SAMBA II HIV-1 Semi-Q Whole Blood) to optimize HIV treatment**
Gary Brook, MD FRCP DTM&H, Central Middlesex Hospital, London UK
- 2:30 PM – 2:45 PM **C2. Cross-clade HIV-1 DNA detection from frozen whole blood using droplet digital PCR**
Erin Goecker, MS, University of Washington
- 2:45 PM – 3:00 PM **C3. Determinants of DNA PCR uptake among HIV exposed infants attending clinic within a HIV program in Kenya; A retrospective cohort study**
Douglas Gaitho, M.B.Ch.B, MMED Peds.CH, Christian Health Association of Kenya
- 3:00 PM – 3:15 PM **C4. Performance Characteristics of GeneXpert and Alere Q Point of Care Technologies for HIV Early Infant Diagnosis in Kenya**
Dorcus Abuya, MSc, National HIV Reference Laboratory, Nairobi Kenya
- 3:15 PM – 3:30 PM Moderated Q&A

3:30 PM – 3:45 PM

Break

3:45 PM – 5:00 PM

Session D: Roles for Quantitative and Qualitative Nucleic Acid Tests in Diagnostic Algorithms (Part 2)

Moderator: Kevin Delaney, PhD, Centers for Disease Control and Prevention

3:45 PM – 4:00 PM

D1. Performance of an Alternative HIV Diagnostic Algorithm Including HIV-1 RNA Viral Load Compared to the CDC/APHL Laboratory Diagnostic Algorithm

Marc Pitasi, MPH, Centers for Disease Control and Prevention

4:00 PM – 4:15 PM

D2. Could HIV-1 RNA be an Option as the Second Step in the HIV Diagnostic Algorithm?

Silvina Masciotra, PhD, Centers for Disease Control and Prevention

4:15 PM – 4:30 PM

D3. Evaluation of Contamination Risk during Processing by the cobas® e 602 Serology Module Prior to HIV/HCV Viral Load Testing on the cobas® 6800 System

Pedro Rodriguez, PhD, Roche Diagnostics Corporation

4:30 PM – 4:45 PM

D4. SAMBA: A Point-of-Care NAT for Detection of HIV Viremia

Lauren Violette, MPH, University of Washington

4:45 PM – 5:00 PM

Moderated Q&A

5:00 PM – 6:00 PM

Discussion Panel: Opportunities Created by Diagnostic HCV and HIV NAT

Moderator: S. Michele Owen, PhD, Centers for Disease Control and Prevention

Discussants:

Ann Winters, MD — New York City Department of Health and Mental Hygiene

Ana María Cárdenas, Ph.D., D(ABMM) — Children's Hospital of Philadelphia

Joanne Stekler, PhD — University of Washington

Wednesday, March 27 2019

7:00 AM – 2:00 PM **On-site Registration**

7:00 AM – 8:15 AM **Satellite Breakfast Symposium Presented by ASHA and ASTDA**

1. One-stop-shop: HCV diagnostics at the point of care — Beatrice Vettel, FIND, Geneva, Switzerland
2. Diagnosis and treatment monitoring of HIV infections with SAMBA molecular POC platforms in rural areas of 3 African countries — Monique Gueguen, Doctors Without Borders, Paris, France
3. Impact of molecular POC on the detection and management of HIV infections in Zimbabwe — Agripa Mtambara, Dept of Health and Child Care, Harare, Zimbabwe

This session is sponsored by Diagnostics for the Real World.

8:15 AM – 9:30 AM **Session E: Integrated Testing for Multiple Pathogens**

Moderator: *Carol Loring, MS, New Hampshire Public Health Laboratories*

8:15 AM – 8:30 AM **E1. A Newer Generation of Rapid Assays: Detection of HIV and Syphilis Simultaneously**

Niel Constantine, PhD, Institute of Human Virology, University of Maryland School of Medicine

8:30 AM – 8:45 AM **E2. Side by Side Comparison: DPP HIV Syphilis Assay System vs. Syphilis Health Check**

Eugene Martin, PhD, Rutgers University - Robert Wood Johnson Medical School

8:45 AM – 9:00 AM **E3. Enhancing the Routine Screening Infrastructure to Address a Syphilis Epidemic in Miami-Dade County**

William Duquette, MPH, CEO, Homestead Hospital Baptist Health South Florida

9:00 AM – 9:15 AM **E4. North Carolina Test, Link, Cure: Collaborating to Address Hepatitis C in At-Risk Populations**

Rebecca Pelc, PhD, North Carolina Division of Public Health

9:15 AM – 9:30 AM Moderated Q&A

9:30 AM – 10:45 AM **Discussion Panel: Integrated Testing and Screening—From Primary Care to Public Health**

Moderator: *Anne Gaynor, PhD— Association of Public Health Laboratories (APHL)*

Discussants:

Vaneet Arora, MD — Kentucky State Public Laboratory

Lesley Miller, MD — Emory University School of Medicine

Lisa Randall, PhD — National Alliance of State and Territorial AIDS Directors (NASTAD)

10:45 AM – 11:00 AM **Morning Break**

11:00 AM – 12:15 PM **Session F: Novel Testing Strategies for STI and HCV**

Moderator: Arlene Seña, MD, MPH, University of North Carolina at Chapel Hill

11:00 AM – 11:15 AM **F1. The Use of a Syphilis Rapid Test with Specimens from an HIV Cluster Investigation in rural West Virginia**

Lara Pereira, PhD, Centers for Disease Control and Prevention

11:15 AM – 11:30 AM **F2. Performance of the Reverse Algorithm Using the Abbott Architect Syphilis TP and its Role in a “Blended” Diagnostic Application in Florida’s Public Health Testing Population**

Yolanda Totten, BS, MT (AAB), Florida Department of Health, Bureau of Public Health Laboratories

11:30 AM – 11:45 AM **F3. Development of a Novel One-Minute HCV Antibody test using the INSTI Platform**

Celine Hayden, PhD, bioLytical Laboratories

11:45 AM – 12:00 PM **F4. Evaluation of the Point-of-Care SAMBA II HCV Qualitative Whole Blood Test**

Sonny Assennato, MSc, Diagnostics for the Real World Europe Ltd

12:00 PM – 12:15 PM Moderated Q&A

12:15 PM – 1:30 PM **Lunch on your own**

1:30 PM – 3:15 PM **Session G: Testing Outside the Laboratory**

Moderator: Jenny McFarlane, BA, Texas Department of State Health Services

1:30 PM – 1:45 PM **G1. Rapid Testing Algorithm Performance in a Low Prevalence Environment**

Eugene Martin, PhD, Rutgers University - Robert Wood Johnson Medical School

1:45 PM – 2:00 PM **G2. Failure of the Alere Determine 4th Generation Point of Care Test to Detect an Acute HIV-1 Infection**

Carol Loring, MS, New Hampshire Public Health Laboratories

2:00 PM – 2:15 PM **G3. Evaluation of Different Rapid Testing Algorithms for Venue-based Anonymous HIV Testing among Men Who Have Sex with Men (MSM), National HIV Behavioral Surveillance (NHBS), 2017**

Shamaya Whitby, MS, Centers for Disease Control and Prevention

2:15 PM – 2:30 PM **G4. Quickie in the Club - You Are 7 Minutes from Your Status**

Jonathon Antle, Kansas City CARE Health Center

2:30 PM – 2:45 PM **G5. Performance, Usability and Acceptance of the Blood-Based INSTI HIV Self-Test in High and low HIV Prevalent Populations**

Rick Galli, BSc, bioLytical Laboratories

2:45 PM – 3:00 PM **G6. Implementation Challenges of App-Requested HIV and STI Home Test Kits Among Men Who Have Sex with Men**

Ryan Zahn, MSPH, Rollins School of Public Health, Emory University

3:00 PM – 3:15 PM Moderated Q&A

3:15 PM – 3:30 PM **Afternoon Break**

3:30 PM – 4:30 PM **Discussion Panel: Self-Testing and Self-Collection for HIV and STIs**

Moderator: Barbara Van der Pol, PhD – American Sexually Transmitted Diseases Association (ASTDA)

Discussants:

Charlotte Gaydos, DrPH — John Hopkins University School of Medicine

Benjamin Tsoi, MD, MPH — New York City Department of Health and Mental Hygiene

Pollyanna Chavez, PhD — Centers for Disease Control and Prevention

4:30 PM – 6:00 PM **Poster Session and "Meet the Exhibitors" Reception**

Poster presenters will be available at their posters from 5-6 pm.

Thursday, March 28 2019

7:00 AM – 8:15 AM

Satellite Breakfast Symposium Presented by ASHA and ASTDA

This session is sponsored by Roche Diagnostics Corporation

8:15 AM – 8:30 AM

TBD

8:30 AM – 9:15 AM

Feedback Session on Reclassification of HCV and HIV Diagnostic Tests from Class III to Class II

Julia Lathrop, PhD, U.S. Food and Drug Administration

Maria Ines Garcia, PhD, U.S. Food and Drug Administration

S. Michele Owen, PhD, Centers for Disease Control and Prevention

Saleem Kamili, PhD, Centers for Disease Control and Prevention

9:15 AM – 10:30 AM

Session H: Expanding Access to Testing Through the Use of Dried Blood Spots

Moderators: Joanne Mei, PhD and Tonya Hayden, PhD, Centers for Disease Control and Prevention

9:15 AM – 9:30 AM

H1. The Feasibility of Modified HIV and Antiretroviral Drug Testing Using Self-collected Dried Blood Spots from Men Who Have Sex with Men

Wei Luo, MS, Centers for Disease Control and Prevention

9:30 AM – 9:45 AM

H2. Comparison of the Geenius™ HIV-1/2 Supplemental Assay and HIV-1 Western Blot for HIV Rapid Test Confirmation from Dried Blood Spots

Tim Sullivan, BS, Wadsworth Center, New York State Department of Health

9:45 AM – 10:00 AM

H3. Quantification of HIV-1 RNA in Dried Blood Spots (DBS) Using the Abbott RealTime HIV-1 DBS assay

Ming Chang, PhD, MB(ASCP), University of Washington

10:00 AM – 10:15 AM

H4. Empowerment of Canada's Indigenous Communities to Improve Access to HIV and HCV Testing using Dried Blood Spots

Stephanie Lavoie, BSc, Public Health Agency of Canada

10:15 AM — 10:30 AM

Moderated Q&A

10:30 AM – 10:45 AM

Morning Break

10:45 AM – 12:15 PM

Session I: Emerging Testing Issues

Moderator: Tabetha Sundin, PhD, HCLD (ABB), MB (ASCP), Sentara Laboratory Services

10:45 AM – 11:00 AM

I1. Multiplex Screening Kit for Routine Monitoring of HIV Suppression and Drug Resistance

Jonathan Lipscomb, MPH, Centers for Disease Control and Prevention

11:00 AM – 11:15 AM	<p>I2. Implementation of Next Generation Sequencing Technology for HIV Resistance Determination and Genotyping</p> <p><i>Marie-Claire Rowlinson, PhD, Bureau of Public Health Laboratories, Florida Department of Health</i></p>
11:15 AM – 11:30 AM	<p>I3. Independent assessment of the Sedia Asanté™ HIV-1 Rapid Recency® Assay</p> <p><i>Eduard Grebe, PhD, Vitalant Research Institute</i></p>
11:30 AM – 11:45 AM	<p>I4. Performance of HIV Ag/Ab Assays on Samples from Individuals Initiating Antiretroviral Therapy During Acute HIV Infection</p> <p><i>Mark Manak, PhD, US Military HIV Research Program, Henry M Jackson Foundation for the Advancement of Military Medicine</i></p>
11:45 AM – 12:00 PM	<p>I5. Case Study of the Value of Historical Archives for Diagnostic Advancements</p> <p><i>Gary Murphy, PhD, Public Health England, London, UK</i></p>
12:00 PM – 12:15 PM	Moderated Q&A
12:15 PM – 12:30 PM	<p>Closing Statements</p> <p>S. Michele Owen, PhD, Conference Co-Chair, Centers for Disease Control and Prevention</p>