

AMP Reference Material Forum

Tuesday, November 5, 2019

Location/ Room: **Holiday Ballroom 1-2 (2nd Floor), Hilton Baltimore, 401 W Pratt St, Baltimore, MD 21201**

Draft Agenda

- 8:00 Synthetic Circulating Cell-free DNA as Quality Control Materials for Somatic Mutation Detection in Liquid Biopsy for Cancer**
Rui Zhang PhD, National Center for Clinical Laboratories, Beijing Hospital, Beijing People's Republic of China
- 8:30 SPOT/Dx Quality Assurance Pilot for NGS Reference Samples: Outcomes**
Barbara Zehnbaauer PhD, Emory University, Atlanta, GA
- 9:00 Progress on a Public-Private Consortium to Develop Quality Control Materials for Circulating Tumor DNA**
Mickey Williams PhD, National Cancer Institute, Frederick National Laboratory for Cancer Research, Frederick, MD
- 9:30 The MDIC Somatic Reference Standards Project: Project Update**
JD Alvarez MD PhD, Janssen, Spring House PA
- 10:00-10:30 Break (on your own)**
- 10:30 Summary of the NIST/FDA Workshop on Standards for NGS Detection of Viral Adventitious Agents and an Update on the JC Virus SRM**
Megan Cleveland PhD, National Institute of Standards and Technology (NIST), Gaithersburg, MD
- 11:00 Development of NIST Reference Materials for DNA Methylation Measurements**
Hua-Jun He PhD, Kenneth Cole PhD, Jamie Almeida, National Institute of Standards and Technology (NIST), Gaithersburg, MD
- 11:30 How Well Can You Detect Difficult Variants? Benchmarking with Genome in a Bottle**
Justin Zook PhD, Nathanael Olson PhD, National Institute of Standards and Technology (NIST), Gaithersburg, MD
- 12:00-1:00 Lunch (on your own)**
- 1:00 Synthetic Reference Sequence Spike-in Controls as Independent NGS Quality Control- Data from FDA SEQC Consortium**
Tom Morrison, AccuGenomics, Wilmington, NC
- 1:30 Use of Synthetic Reference Sequence Spike-In Controls to Increase Reliability of NGS Testing for Actionable Mutations in Diagnostic Samples**
James Willey MD, University of Toledo, Toledo, OH
- 2:00 Genetic Testing Reference Material Program (GeT-RM) Update**
Lisa Kalman PhD, Centers for Disease Control and Prevention, Atlanta, GA
- 2:30 A Reference Material for More Precisely Quantifying Tumor Markers and Viral Genomes by Massive Parallel Sequencing of Plasma DNA**
Margaret Gulley MD, University of North Carolina, Chapel Hill, NC
- 3:00-3:15 - Break (on your own)**
- 3:15 Characterization of Tumor-Normal Cell Line Pairs for TMB Standardization Using Genomic DNA and FFPE DNA**
Ravindra Kolhe MD PhD, Medical College of Georgia, Augusta, GA
- 3:45 Addressing the Need for Credible Standards in Infectious Disease, from the Molecular Level Up**
Andrew Frank, Christine Fedorchuk PhD, American Type Culture Collection (ATCC), Manassas, VA
- 4:15 Facilitating the Development of Reference Materials by Utilizing High-Quality Biospecimens from the Coriell Biobank**
Deborah Requesens PhD, Coriell Institute for Medical Research, Camden, NJ
- 4:45 NIBSC – Global Harmonization of Molecular Diagnostics through the Provision of WHO Established International Standards and Other Reference Materials**
Neil Almond PhD, National Institute for Biological Standards and Control (NBSC), South Mimms, UK

*For a list of dining options near the Hilton, please refer to: <https://baltimore.org/restaurants>; Participating restaurants that provide discounts with your official conference badge: https://baltimore.org/sites/default/master/files/pdf/show_your_badge.pdf