

# AMP Reference Material Forum

November 14, 2023

Location: Hyatt Regency Salt Lake City

Room: Salt Lake Ballroom AB

## Agenda

**9:30 Preanalytical Challenges for ctDNA Measurements – Where are We Now?**

*Hua-Jun He PhD, National Institute of Standards and Technology (NIST), Gaithersburg, MD*

**10:00 Development of Reference Materials for Pan Fusion Gene Testing External Quality Assessment**

*Rachel L. Taylor PhD, EMQN CIC, Manchester, United Kingdom*

**10:30 *In Silico* Reference Materials for Infectious Disease Applications**

*Diego Arambula PhD, Centers for Disease Control and Prevention, Atlanta, GA*

*Mia Gregory MS, Booz Allen Hamilton, Atlanta, GA*

**11:00 Characterization of Reference Materials for *CYP3A4* and *CYP3A5*: A GeT-RM Collaborative Project**

*Lisa Kalman PhD, Centers for Disease Control and Prevention, Atlanta, GA*

**11:30-1:00 Lunch (on your own)**

**1:00 GIAB Update: New Benchmarks, Samples, and Data Types**

*Nate Olson PhD, National Institute of Standards and Technology (NIST), Gaithersburg, MD*

**1:30 Somatic Reference Sample (SRS) initiative – A Collaborative Approach Toward Improved Validation of NGS-Based Diagnostic Tests**

*Maryellen de Mars PhD, Medical Device Innovation Consortium (MDIC), Arlington, VA*

**2:00 Enhance Microbiome Research and Product Development Through Appropriate Quality Control Materials**

*Qiang Gan PhD, Thermo Fisher Scientific, Fremont, CA*

**2:30 Alternatives to Native Clinical Specimen: MS2 Phage-Like Particles for Reference Materials**

*Hui Wang PhD, Thermo Fisher Scientific, Fremont, CA*

**3:00-3:30 - Break (on your own)**

**3:30 From Expert Knowledge to Validation Resources – *In Silico* Approaches to Close the Gap in Available Reference Materials for Common Genetic Tests**

*Birgit Funke PhD, Ican School of Medicine at Mount Sinai, New York, NY*

*Somak Roy, MD, Cincinnati Children's Hospital Medical Center, Cincinnati, OH*