

# AMP Reference Material Forum

November 19, 2024  
Location: Hyatt Regency  
Room: Regency Ballroom

## Agenda

- 9:30 Development of Custom Gene Fusion Fragments as Reference Materials for Fusion Gene Detection**  
*Mei Li, MD PhD, The Second Hospital of Dalian Medical University, Dalian, China*
- 10:00 Artificial “Nucleosomal” Plasma for External Quality Assessment (EQA) of Circulating Free DNA (cfDNA) Extraction**  
*Victoria Williams, EMQN CIC, Manchester UK*
- 10:30 Development and Interlab Validation of Methylated cfDNA Candidate Reference Material.**  
*Zhiyong He PhD, NIST, Gaithersburg, MD*
- 11:00 Use of Reference Materials in Provision of External Quality Assessment for Pharmacogenetic Panel Testing**  
*Rebecca Goodall, EMQN CIC, Manchester UK*
- 11:30-1:00 Lunch (on your own)**
- 1:00 Towards Genome in a Bottle Somatic Variant Benchmarks for a Broadly-Consented Pancreatic Tumor Cell Line**  
*Justin Zook PhD, National Institute of Standards and Technology, Gaithersburg, MD*
- 1:30 The Somatic Reference Samples (SRS) Initiative: Advancements in Developing Tools for Validation of NGS-Based Cancer Diagnostics**  
*Maryellen de Mars PhD, Medical Device Innovation Consortium (MDIC), Arlington, VA*
- 2:00 Freeze-Dried, Worry Thawed: Armored RNA New Lyophilized Controls Offer Potential to Advance Molecular Testing in Resource Limited Settings**  
*Deepa Eveleigh, MS, MB(ASCP), Asuragen, Austin, TX*
- 2:30 From Expert Knowledge to Validation Resources – The Case for Using *In Silico* Approaches to Close the Gap in Available Reference Materials for Common Genetic Tests**  
*Birgit Funke PhD, Shriners Children’s Genomics Institute, Tampa, FL*  
*Somak Roy, MD, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH*
- 3:00-3:30 - Break (on your own)**
- 3:30 *In Silico* RMs for CNVs - Somatic and Germline Applications**  
*Birgit Funke PhD, Shriners Children’s Genomics Institute, Tampa, FL*  
*Somak Roy, MD, Cincinnati Children’s Hospital Medical Center, Cincinnati, OH*