



| Date | Time | Track | Presentation Title | Speaker |
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| 16-May | 06:00 - 07:00 AM | Genetics and Genomics | Automation Beyond the Benchtop Instrument: Integrated Workflows in Genomics with Live Q&A | Divya Vijay Pratheek Director, Product Growth in Multi-omics at Automata |
| 16-May | 06:00 - 07:00 AM | Genetics and Genomics | Panel Presentation: The Evolution from Single Cell to Oncology-Related Pathology with Live Q&A | Dr. Andris Abramenskova PhD Product Manager, Sartorius Mark Lynch Senior Vice President Global Sales and Customer Success, BioSkrbyb Genomics |
| 16-May | 07:30 - 08:30 AM | Genetics and Genomics | Keynote Presentation: How Do We Enable Precision Health at Scale for All? With Live Q&A | Carlos D. Bustamante, PhD Founder and CEO, Galatea Bio, Inc. |
| 16-May | 09:00 - 10:00 AM | Genetics and Genomics | Keynote Presentation: The Path to Universal Newborn Sequencing with Live Q&A | Robert C. Green, MD, MPH Professor of Medicine, Harvard Medical School and Mass General Brigham; Co-Founder, Nurture Genomics |
| 16-May | 10:30 - 11:30 AM | Genetics and Genomics | DNA Polymerases at Work: Finding Your PCR Champion with Live Q&A | Marija Navickaitė Product Manager, Platinum DNA Polymerases and Phusion DNA Polymerases, Thermo Fisher |
| 16-May | 12:00 - 01:00 PM | Genetics and Genomics | Accelerating Research with Fast, Flexible, and Cost-Efficient Next-Generation Sequencing on the G4 Platform with Live Q&A | Timothy Looney, PhD Senior Director, Scientific Affairs at Singular Genomics |
| 16-May | 05:30 - 05:30 AM | Precision Medicine | A Permanent Genetic Treatment for Spinal Muscular Atrophy Using Base Editors | Christiano R. R. Alves, PhD Instructor in Neurology, Center for Genomic Medicine, Massachusetts General Hospital, Harvard Medical School |

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| 16-May | 05:30 - 06:30 AM | Precision Medicine | A Systems Medicine Platform Based on RNA Sequencing and Artificial Intelligence | Momo Vuyisich, PhD Co-founder and Chief Science Officer, Head of Clinical Research, Viome Life Sciences |
| 16-May | 05:30 - 05:30 AM | Molecular Diagnostics | Advancing Medicine Through Global Collaboration | Heidi L. Rehm, PhD, FACMG Director, Genomic Medicine Unit, Center for Genomic Medicine, MGH, Chief Genomics Officer, Department of Medicine, MGH, Co-Director, Medical and Population Genetics, Broad Institute; Medical Director, Broad Clinical Laboratory, Professor of Pathology, Harvard Medical School |
| 16-May | 05:30 - 05:30 AM | Molecular Diagnostics | At Home Collection: Removing Barriers to STI Detection & Diagnosis | Lesley E. Northrop, PhD, FACMG Chief Diagnostic Officer, Everly Health |
| 16-May | 05:30 - 05:30 AM | Genetics and Genomics | Hanging by a Thread: Using High Fidelity Long-Read Sequencing to Uncover the Genomic Basis of Insect Silk | Paul Frandsen, PhD Assistant Professor of Genomics, Brigham Young University |
| 16-May | 05:30 - 05:30 AM | Genetics and Genomics | How Population-based Metrics for Diversity Shape Human Genomics Research and Reference Resources | Alice B. Popejoy, PhD Assistant Professor, Division of Epidemiology, Department of Public Health Sciences, University of California, Davis |
| 16-May | 05:30 - 05:30 AM | Genetics and Genomics | Improving Genomic Analysis by Fixing Reference Errors | Sairam Behera, PhD Research Fellow, Human Genome Sequencing Center, Baylor College of Medicine |
| 16-May | 05:30 - 05:30 AM | Genetics and Genomics | Long-read Sequencing at Scale and High Accuracy | Medhat Mahmoud, PhD Postdoctoral Associate |
| 16-May | 05:30 - 05:30 AM | Genetics and Genomics | MethPhase: Automated Methylation-based Haplotype Phasing of Human Genomes with Oxford Nanopore Sequencing | Yilei Fu PhD Student, Computer Science Department, Rice University |
| 16-May | 05:30 - 05:30 AM | Precision Medicine | Moving Beyond Mutation: AI-driven Functional Precision Medicine for Cancer | Sungwon Lim, PhD CEO & Co-Founder, ImpriMed |

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| 16-May | 05:30 - 05:30 AM | Genetics and Genomics | Multi-Omics for Astronauts and Missions to Mars | Christopher E. Mason, Ph.D Associate Professor; Director, WorldQuant Initiative for Quantitative Prediction, Weill Cornell Medicine |
| 16-May | 05:30 - 05:30 AM | Genetics and Genomics | Sequencing Single-Strand Mismatch and Damage Patterns by Long-Read Sequencing | Gilad Evrony, MD, PhD Physician-Scientist, NYU Grossman School of Medicine, Center for Human Genetics and Genomics |
| 16-May | 05:30 - 05:30 AM | Molecular Diagnostics | The Advantage of Combining Short Read Whole Genome Sequencing, Optical Genome Mapping and Transcriptome Analysis in Constitutional and Cancer Diagnostics | Peter Lajos Nagy, MD, PhD Chief Medical Officer, Laboratory Director, Praxis Genomics |
| 16-May | 05:30 - 05:30 AM | Molecular Diagnostics | Towards A Global Federated System for Biosurveillance and Pandemic Early Warning Using Genomic, Epidemiological, Climate and Environmental Data | David C. Danko, PhD Chief Technology Officer, Biotia, Inc. |
| 16-May | 06:00 - 06:00 AM | Genetics and Genomics | Sequencing Errors and Alternative DNA Structures | Matthias H. Weissensteiner, PhD Bioinformatician/Researcher, Institute of Avian Research |
| 17-May | 07:30 - 08:30 AM | Precision Medicine | Keynote Presentation: Precision Medicine as a Population Health Strategy with Live Q&A | Dr. Howard L. McLeod, FASCO, FCCP Medical Director, Precision Medicine, Professor of Pharmacy and Medicine |
| 17-May | 09:00 - 10:00 AM | Precision Medicine | Keynote Presentation: The Impact of Clinical Practice Gaps on the Implementation of Personalized Medicine in Advanced Non-Small Cell Lung Cancer (aNSCLC) with Live Q&A | Daryl Pritchard, PhD Senior Vice President of Science Policy, Personalized Medicine Coalition (PMC) |
| 17-May | 10:30 - 11:30 AM | Precision Medicine | Keynote Presentation: Companion Diagnostics: Technical, Clinical and Commercial Challenges with Live Q&A | Stephen Little, PhD Founder, Yourgene Health |
| 17-May | 12:00 - 01:00 PM | Precision Medicine | AI in Precision Oncology: Personalized Treatment Ranking Based on the Totality of Molecular Information | Istvan Petak, MD, PhD Physician-scientist, Founder and CEO, Genomate Health, Adjunct Professor at the University of Illinois at Chicago (UIC) |
| 18-May | 07:30 - 08:30 AM | Molecular Diagnostics | Panel Presentation: Real time PCR for Molecular Detection and Research of Infectious Disease Pathogens Beyond SARS-COV-2 with Live Q&A | Celeste Stone Senior Manager of Business Development at Thermo Fisher Scientific Jorge Fonseca Director, Product Management at Thermo Fisher Scientific |

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| 18-May | 09:00 - 10:00 AM | Molecular Diagnostics | Advances in Diagnostic Testing for the Bacteria, Viruses, and Parasites Behind Infectious Gastroenteritis with Live Q&A | Davidson H. Hamer, MD Professor of Global Health and Medicine at the Boston University School of Public Health |
| 18-May | 10:30 - 11:30 AM | Molecular Diagnostics | Panel Presentation: Achieving Efficient and Sensitive Rare Cell Capture for Culture and Downstream Molecular Analyses with Live Q&A | Mina Zeinali, PhD Single Cell Field Application Specialist, Bio-Rad Laboratories, Inc. Cissy Jiang, MS Sr. Global Product Manager, NGS products, Bio-Rad Laboratories. |
| 18-May | 12:00 - 01:00 PM | Molecular Diagnostics | DNA Synthesis for mRNA Therapeutics - How to Ensure Good Results by Choosing the Right DNA | Axel Trefzer, PhD Director, Product Management, Thermo Fisher Scientific |