



Date	Time	Track	Presentation Title	Speaker
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 Abramenskvs PhD Product Manager, Sartorius Mark Lynch Senior Vice President Global Sales and Customer Success, BioSkryb 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

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

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

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