



Date	Time	Track	Presentation Title	Speaker
19-Apr	06:00 - 07:00 AM	Genetics and Genomics	High-sensitivity, Targeted NGS Variant Detection of Viral and Bacterial Pathogens: A Novel Solution for Healthcare and Environmental Surveillance and Research	Dylan Barbera Global Product Manager, UNGS Genotyping
19-Apr	06:00 - 07:00 AM	Genetics and Genomics	KAPA HyperPETE: A Novel Primer Extension Target Enrichment Solution for Rapid and Reliable Variant Detection Results	Brian Godwin, MS Director, Reagent and Assay Development, Roche Sequencing Solutions
19-Apr	07:30 - 08:30 AM	Genetics and Genomics	Keynote Presentation: Ultra-Rapid Nanopore Whole Genome Sequencing in a Critical Care Setting	John E. Gorzynski, DVM, PhD Scientist, Stanford University
19-Apr	09:00 - 10:00 AM	Genetics and Genomics	Keynote Panel Presentation: Towards Newborn Screening by Whole Genome Sequencing	Stephen Kingsmore, PhD, MD President and CEO, Rady Children's Institute for Genomic Medicine Thomas Defay, PhD Deputy Head, Diagnostics Strategy and Development, Alexion Pharmaceuticals, Inc.
19-Apr	10:30 - 11:30 AM	Genetics and Genomics	Panel Presentation: Attain Successful Single-cell Sequencing Results with the Latest Cell and Nuclei Isolation Workflows	Alina Steinbach Product Manager for Flow Sorting at Miltenyi Biotec Carina Emery Product Manager for Sample Preparation at Miltenyi Biotec
19-Apr	12:00 - 01:00 PM	Genetics and Genomics	Advances in Targeted Sequencing: Accelerate Your NGS Workflows with New QIAseq Chemistry	Krishna Amin Associate Director Global Product Management, Targeted Genomics, QIAGEN
19-Apr	12:00 - 01:00 PM	Genetics and Genomics	RT-LAMP: Best Practices and Tips to Accelerate Detection of Viral Pathogens, Including SARS-CoV-2	Ingrida Vendelė, PhD R&D Manager for Molecular and Synthetic Biology, Thermo Fisher Scientific Leann Buhrow, PhD R&D Scientist, Molecular Biology, Thermo Fisher Scientific

19-Apr	01:30 - 02:30 PM	Genetics and Genomics	Boosting Signal-to-Noise in Single Cell RNA-Seq Through Molecular Depletion	Dante DeAscanis Research Associate II, Research & Development, Jumpcode Genomics
19-Apr	03:00 - 04:00 PM	Genetics and Genomics	Using NGS for MicroRNA and Gene Expression Analysis with Integrated Bioinformatics for Pathway Discovery and Biomarker Verification	Samuel Rulli, PhD Senior Global Product Manager, RNA Profiling , QIAGEN
19-Apr	04:30 - 05:30 PM	Genetics and Genomics	Extracting Novel Hypotheses and Insights from Single Cell Data	Jean-Noel Billaud, PhD Senior Principal Scientist, QIAGEN Digital Insights
19-Apr	05:30 - 05:30 AM	Genetics and Genomics	Advances in High Throughput Proteomics using Next Generation Sequencing as a Readout	Dale Yuzuki, M.A., M.Ed. Director, Digital Strategic Marketing Communications, Olink Proteomics
19-Apr	05:30 - 05:30 AM	Genetics and Genomics	Comprehensive Structural Variant Detection: From Mosaic to Population Level	Luis Felipe Paulin Paz, PhD Postdoctoral Fellow, Human Genome Sequencing Centre, Baylor College of Medicine
19-Apr	05:30 - 05:30 AM	Genetics and Genomics	Delivering Fast, Flexible Next-Generation Sequencing through Innovations in Chemistry and Engineering	Timothy Looney, PhD Senior Director, Scientific Affairs at Singular Genomics
19-Apr	05:30 - 05:30 AM	Genetics and Genomics	Modelling the Accumulation of Mutations During Cancer Progression without Explicit Time	Rebekka Burkholz, PhD Faculty, CISPA Helmholtz Center for Information Security
19-Apr	05:30 - 05:30 AM	Genetics and Genomics	Quantitative and Spatial Differences in Host Response Dynamics to SARS-CoV-2 Variants of Concern	Silvia Groiss, MSc, PhD Diagnostic & Research Institute of Pathology, Medical University of Graz
19-Apr	05:30 - 05:30 AM	Genetics and Genomics	Rescuing Low Frequency Variants Within Intra-Host Viral Populations Directly from Oxford Nanopore Sequencing Data	Yunxi Liu Treangen Lab, Rice University
19-Apr	05:30 - 05:30 AM	Genetics and Genomics	Scalable Pharmacogenetic Screening of the Complex CYP2D6 Locus Using SMRT Long-read Amplicon Sequencing	Jacob Munro Bioinformatics Analyst, Bahlo Laboratory, Population Health & Immunity Division

19-Apr	05:30 - 05:30 AM	Genetics and Genomics	Using Gene Regulatory Networks to Understand Sex Differences	Camila Lopes-Ramos, PhD Instructor, Harvard T.H. Chan School of Public Health, Fellow, Channing Division of Network Medicine, Brigham & Women's Hospital
19-Apr	05:30 - 05:30 AM	Genetics and Genomics	Why Networks Matter	John Quackenbush, PhD Professor of Computational Biology and Bioinformatics, Chair of the Department of Biostatistics, Harvard University, Dana-Farber Cancer Institute
20-Apr	07:30 - 08:30 AM	Molecular Diagnostics	Keynote Presentation: Laboratory Assessment of Covid-19 Immunity in Patients with a Cancer Diagnosis: Alpha to Omicron	Balazs Halmos, MD Professor of Oncology and Associate Director of Clinical Research, Albert Einstein College of Medicine, Montefiore Medical Center
20-Apr	10:30 - 11:30 AM	Precision Medicine	Keynote Presentation: Precision Medicine as a Population Health Tactic	Dr. Howard L. McLeod, FASCO, FCCP Medical Director, Precision Medicine, Professor of Pharmacy and Medicine
20-Apr	12:00 - 01:00 PM	Precision Medicine	Panel Presentation: Concept-to-Commercialization: Thermo Fisher's Unique Approach to Rapidly Advancing Your Antibody and Protein Therapeutics	Steve Lewis Senior Product Manager, Thermo Fisher Scientific Jeff Hou, PhD Director Scientific & Technical Affairs, Thermo Fisher Scientific
20-Apr	01:30 - 02:30 PM	Precision Medicine	Panel Presentation: Curating the Genome to Drive Precision Diagnosis in Clinical Care	Mark Kiel, MD, PhD Co-Founder and Chief Science Officer, Genomenon Catherine Nester Vice President of Physician and Patient Strategies, Inozyne Pharma
20-Apr	05:30 - 05:30 AM	Precision Medicine	Aneuploidy on a Brush - A New Approach to Detecting Cancer and Pre-Cancers of the Esophagus	Joseph Willis, MD Vice Chair of Pathology for Translational Research, Professor of Pathology, University Hospitals Cleveland Medical Center/Seidman Cancer Center, Case Western Reserve University/Case Comprehensive Cancer Center
20-Apr	05:30 - 05:30 AM	Precision Medicine	Improving Fetal Fraction of EDTA-Gel NIPS Samples Using Gel-Based Size-Selection	Dr François Rousseau, MD, MSc, FRCPC, FCAHS FQR-S/MSSS/CHUQ Research Awardee in Health Technology Assessment and Evidence Based Laboratory Medicine, Professor, Department of Molecular Biology, Medical Biochemistry and Pathology at the Faculty of Medicine, Université Laval, Researcher, Centre de recherche du CHU de Québec
21-Apr	12:00 - 01:00 PM	Molecular Diagnostics	Recent Advances in Lyophilized qPCR Reagents	Olivier Bricaud, PhD Global Market Development Manager, Molecular Biology, Thermo Fisher Scientific

21-Apr	05:30 - 05:30 AM	Molecular Diagnostics	Advances in Liquid Biopsy Technologies	David Spetzler, MS, MBA, PhD President and Chief Scientific Officer, Caris Life Sciences
21-Apr	05:30 - 05:30 AM	Molecular Diagnostics	Hypoxia Biomarkers: Personalizing Cancer Treatments by Targeting Hypoxia	Joely Irlam Director, ManTRa Diagnostics Ltd, Research Associate, Department of Translational Radiobiology, University of Manchester
21-Apr	05:30 - 05:30 AM	Molecular Diagnostics	PTS-ID: Developing Precision Behavioral Health Diagnostics for PTSD	Tshaka Cunningham, PhD Chief Scientific Officer, Polaris Genomics
21-Apr	05:30 - 05:30 AM	Molecular Diagnostics	Standardization of the Interpretation and Reporting of Sequence Variants Identified in Neoplasms	Nikita Mehta, MS, CGC Senior Genetic Analysis Specialist, Memorial Sloan Kettering Cancer Center