



Date	Time	Track	Presentation Title	Speaker
11-May	06:00 - 07:00 AM	Industry	Expanding the molecular toolbox for Nanopore sequencing	David Stoddart, MBioch, DPhil Associate Director of Applications, Oxford Nanopore Technologies
11-May	06:00 - 07:00 AM	Innovations in Genomic Tools and Technologies	Natural Human Gene Knockouts and the Discovery of New Drug Targets	Frederick Dewey, MD Head of Translational Genetics, Regeneron Genetics Center
11-May	07:30 - 08:30 AM	Genomics in the Clinic	Keynote: Genomes for Medicine	David R Bentley, DPhil, FMedSci Vice President & Chief Scientist, Illumina Inc.
11-May	09:00 - 10:00 AM	Innovations in Genomic Tools and Technologies	Keynote: Empirical Data on the Path to Genomic Medicine	Robert C. Green, MD, MPH Professor of Medicine (Genetics), Harvard Medical School, Director, Genomes2People Research Program / Preventive Genomics Clinic / Population Precision Health at Ariadne Labs, Mass General Brigham, and Broad Institute
11-May	10:30 - 11:30 AM	Genomics in the Clinic	Challenges and Opportunities Building IT capabilities to support Large Scale Omics Projects in a Health System	Aaron Black Director, Informatics, Inova Health
11-May	10:30 - 11:30 AM	Clinical Utility of the Newest Technologies	Radiomics: The Potential of Image-Based Phenotyping for Precision Medicine	Hugo Aerts, PhD Director, Artificial Intelligence in Medicine (AIM) Program, Associate Professor, Harvard University
11-May	10:30 - 11:30 AM	-Omics in Health and Disease	Whole Genome? The Future of High-Quality Genomes & Transcriptomes	Jonas Korlach, PhD Chief Scientific Officer, Pacific Biosciences

11-May	12:00 - 01:00 PM	Industry	Assembly and Analysis of Non-model Organism Transcriptomes Using DNASTAR Software	Matthew Keyser, MS Senior Manager, NGS Applications, DNASTAR
11-May	12:00 - 01:00 PM	Genomics in the Clinic	Implementing Longitudinal Clinical/Whole Genome Research	Benjamin D Solomon, MD Chief, Division of Medical Genomics, Inova Translational Medicine Institute, Associate Professor, Virginia Commonwealth University School of Medicine
11-May	12:00 - 01:00 PM	Clinical Utility of the Newest Technologies	The FDA's experience with emerging genomics technologies - past, present and future	Weida Tong, PhD Director, Division of Bioinformatics and Biostatistics, National Center for Toxicological Research (NCTR), FDA
11-May	01:30 - 02:30 PM	-Omics in Health and Disease	Microfluidic Single Cell Exome-seq and RNA-seq analysis of Tumor Composition	Ioannis (Giannis) Ragoussis, PhD Head of Genome Sciences, McGill University and Genome Quebec Innovation Centre (MUGQIC), Associate Professor, Human Genetics, Department of Bioengineering
11-May	01:30 - 02:30 PM	Genomics in the Clinic	Pediatric genetics - Applications of NGS in the Clinic	Emily Farrow, PhD, CGC Director of Laboratory Operations, Center for Pediatric Genomic Medicine, Children's Mercy Hospital, Assistant Professor, University of Missouri-Kansas City, School of Medicine
11-May	01:30 - 02:30 PM	Clinical Utility of the Newest Technologies	Precision Medicine - Moving From Pilot To Production Deployment	Mick Correll Chief Executive Officer, Genospace
11-May	03:00 - 04:00 PM	Genomics in the Clinic	Genomics in the Clinic - Medical Ethics and Policy	Amy L McGuire, JD, PhD Leon Jaworski Professor of Biomedical Ethics, Director, Center for Medical Ethics and Health Policy, Baylor College of Medicine
12-May	06:00 - 07:00 AM	Innovations in Genomic Tools and Technologies	The sequencing of 10,000 Human Genomes	Amalio Telenti MD, PhD Head of Genomics, Human Longevity, Inc., Research Scientist, J Craig Venter Institute
12-May	07:30 - 08:30 AM	Industry	Best Practices for cfDNA and FFPE Sample Prep to Ensure Successful Downstream Outcomes	Alex B Lopez, PhD, MBA National Applications Manager, PerkinElmer, chemagen
12-May	07:30 - 08:30 AM	Innovations in Genomic Tools and Technologies	Polymorphic miRNA binding sites in the WFS1 gene are risk factors of diabetes mellitus	Zsolt Rónai, MD, PhD Professor of Medical Chemistry, Molecular Biology and Pathobiochemistry, Semmelweis University, Hungary.

12-May	07:30 - 08:30 AM	Industry	The molecular analysis on circulating tumor cells to determine prognostic and predictive factors in cancer research	Siegfried Hauch Director, Liquid Biopsy and Site Manager, QIAGEN Hannover Germany
12-May	09:00 - 10:00 AM	-Omics in Health and Disease	Keynote: Planet Scale Analysis with Millions of Genomes	Alexander Wait Zaranek, PhD Director, Informatics, Harvard Personal Genome Project, Chief Scientist and Co-founder, Curoverse
12-May	10:30 - 11:30 AM	Innovations in Genomic Tools and Technologies	Antha: An Operating System for Seamlessly Linking Experimental Design and Lab Automation	Sean Ward Founder & Chief Technology Officer, Synthace Ltd
12-May	10:30 - 11:30 AM	Genomics in the Clinic	Big data integration - Inferring and using individual patient network models	Marieke Kuijjer, PhD Research Fellow, Biostatistics & Computational Biology, Dana-Farber Cancer Institute
12-May	10:30 - 11:30 AM	Industry	DNA methylation analysis by multiplexed reduced representation bisulfite sequencing	Paul Datlinger PhD Student, CeMM Research Center for Molecular Medicine of the Austrian Academy of Sciences
12-May	12:00 - 01:00 PM	Genomics in the Clinic	Implementation of genomic assays for tumor genome profiling in a clinical laboratory setting	Sarah S Murray, PhD Professor, Department of Pathology, Director, Genomic Technologies, Center for Advanced Laboratory Medicine, University of California San Diego
12-May	12:00 - 01:00 PM	Clinical Utility of the Newest Technologies	Learning Biology from Networks and their Structure	John Platig, PhD Instructor, Channing Division of Network Medicine, Brigham and Women's Hospital, Harvard Medical School
12-May	12:00 - 01:00 PM	-Omics in Health and Disease	Precision Medicine 2.0: Impact Requires Data, Collaboration, Champions	David Shaywitz, MD, PhD Chief Medical Officer, DNAnexus
12-May	01:30 - 02:30 PM	Industry	Canon BioMedical - Revealing New Genotyping Solutions	Brian McNally, PhD Senior Marketing Specialist, Canon BioMedical
12-May	01:30 - 02:30 PM	Industry	The benefits and burdens of assaying matched normal tissue when sequencing cancer genomes	Elena Helman, PhD Lead Bioinformatics Scientist, Personalis, Inc.

12-May	03:00 - 04:00 PM	-Omics in Health and Disease	Using big data to interpret genomes for diagnostics, therapeutics, and precision medicine	Rong Chen, PhD Assistant Professor, Director of Clinical Genome Informatics, Department of Genetics and Genomic Sciences, Icahn Institute for Genomics and Multiscale Biology, Icahn School of Medicine at Mount Sinai
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