



| Date | Time | Track | Presentation Title | Speaker |
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| 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), Mass General Brigham and Harvard Medical School |
| 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 |

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| 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. |

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| 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 | Anthra: 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. |

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| 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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