Date	Time	Track	Presentation Title	Speaker
13-May	05:00 - 06:00 AM	Next Gen Sequencing	Next Generation Sequencing Panels in Clinical Diagnostics: Autism Spectrum Disorders and Eye Related Disorders	John Alexander, PhD, Christin Collins, PhD John Alexander, Assistant Professor of Human Genetics, Director, Molecular Laboratory, Emory University School of Medicine, Christin Collins, Assistant Professor, Department of Human Genetics
13-May	06:00 - 07:00 AM	Gene Expression Profiling	Challenges and New Solutions for Isolating Exosomes, Other Extracellular Vesicles and Vesicular RNAs	Martin Schlumpberger, PhD Associate Director, Scientific Applications, Sample Technologies Development, Qiagen GmbH
13-May	06:00 - 07:00 AM	Industry	Predictive Gene Signatures: Molecular Markers Distinguishing Colon Adenomatous Polyp and Carcinoma	Janice E Drew, PhD Senior Research Fellow, MSc Human Nutrition, Course Co-ordinator for Molecular Nutrition, University of Aberdeen, Rowett Institute of Nutrition and Health, Metabolic Health Group
13-May	07:30 - 08:30 AM	New Bioinformatics methods for genome analysis	Keynote: Big Data in Health Care and Biomedical Research	John Quackenbush, PhD Professor of Computational Biology and Bioinformatics, Chair of the Department of Biostatistics, Harvard University, Dana-Farber Cancer Institute
13-May	09:00 - 10:00 AM	Gene Expression Profiling	Keynote: Next-Generation RNA-Seq Workflows and Analysis	Gary Schroth,PhD Vice President and Distinguished Scientist Illumina
13-May	10:30 - 11:30 AM	Next Gen Sequencing	Population Scale Human Genome Analysis on the Cloud	Peter White, PhD, James Hirmas Peter White, Co-Founder, Chief Scientific Advisor, GenomeNext LLC, Assistant Professor of Pediatrics, Nationwide Children's Hospital, James Hirmas, Co-Founder, CEO, GenomeNext LLC
13-May	10:30 - 11:30 AM	Gene Expression Profiling	Statistical methods for bulk and single-cell RNA-seq experiments	Christina Kendziorski, PhD Professor, Biostatistics & Medical Informatics, University of Wisconsin - Madison
13-May	10:30 - 11:30 AM	New Bioinformatics methods for genome analysis	Transcriptome Assembly: Computational Challenges of Next-Generation Sequence Data	Steven L Salzberg, PhD Director, Center for Computational Biology McKusick-Nathans Institute of Genetic Medicine, Professor, Departments of Biomedical Engineering, Computer Science, and Biostatistics
13-May	12:00 - 01:00 PM	Industry	Dissecting the diagnostic yield of exome sequencing	Deanna Church, PhD Senior Director, Genomics and Content, Personalis, Inc,

13-May	12:00 - 01:00 PM	Industry	DNASTAR Software For Accurate Variant Detection and Validation in Targeted Gene Panel Data Sets	Matthew Keyser, MS Senior Manager, NGS Applications, DNASTAR
13-May	12:00 - 01:00 PM	Gene Expression Profiling	What can we learn from large gene expression data sets?	Jeremy A Miller, PhD Scientist, Allen Institute for Brain Science
13-May	01:30 - 02:30 PM	Gene Expression Profiling	Agilent platform for genomics, transcriptomics, proteomics and metabolomics based integrated biology: challenges and tools for multi-omics research	Carolina Livi, PhD Bioinformatics Segment Manager, Agilent Technologies
13-May	01:30 - 02:30 PM	New Bioinformatics methods for genome analysis	Epigenomics of common, rare, and somatic variants underlying disease and cancer	Manolis Kellis, PhD Professor, Computer Science and AI Lab, Director, MIT Computational Biology Group, Broad Institute of MIT and Harvard
13-May	01:30 - 02:30 PM	Industry	More from Less- High Quality Data from Low Quality Samples	Andrew Barry Product Marketing Manager, Target Enrichment, New England Biolabs
13-May	03:00 - 04:00 PM	Gene Expression Profiling	Journeys through Space and Time: Ultra High-Resolution Expression Profiling of Long Noncoding RNAs	Marcel Dinger, PhD Head, Kinghorn Centre for Clinical Genomics, Garvan Institute; CEO, Genome.One
13-May	03:00 - 04:00 PM	Next Gen Sequencing	Population genomics of sex chromosome evolution	Melissa A Wilson Sayres, PhD Assistant Professor, School of Life Sciences, Arizona State University
13-May	03:00 - 04:00 PM	New Bioinformatics methods for genome analysis	Using the network architecture of eQTLs to understand complex traits	John Platig, PhD Postdoctoral Research Fellow, Dana Farber Cancer Institute/Harvard University
14-May	06:00 - 07:00 AM	Next Gen Sequencing	Next-generation sequencing for BRCA1 and BRCA2 mutation testing	Vikram Devgan, PhD, MBA Director, Head of Biological research content, Qiagen, Inc.
14-May	07:30 - 08:30 AM	Next Gen Sequencing	Keynote: Using genomics to understand human health and disease	Richard M Myers, PhD President, Director and Faculty Investigator, HudsonAlpha Institute for Biotechnology

14-May	09:00 - 10:00 AM	Next Gen Sequencing	Keynote: Analysis of Complex Diseases Using Integrative Omics	Michael Snyder, PhD Professor and Chair, Genetics, Director, Stanford Center for Genomics and Personalized Medicine, Stanford University School of Medicine
14-May	10:30 - 11:30 AM	Next Gen Sequencing	An unbiased view of the Next Generation Sequencing market	Shawn Baker, PhD CEO, CSO and Co-Founder, AllSeq, Inc.
14-May	10:30 - 11:30 AM	A genomic view of translation and protein function	Deep mutational scanning to measure the impact of mutations in proteins on the molecular and organismal level	Douglas M Fowler, PhD Principal Investigator, Department of Genome Sciences, University of Washington
14-May	12:00 - 01:00 PM	Next Gen Sequencing	Make your clinical sequencing count: technical and content decisions for improved disease targeted panels	Sami Amr, PhD Director of the Translational Genomics Core of Partners HealthCare Personalized Medicine, Harvard Medical School
14-May	12:00 - 01:00 PM	A genomic view of translation and protein function	Regulation of mRNA translation by ribosomes	Vincent P Mauro, PhD Senior Vice President, Chief Scientific Officer, Promosome, Adjunct Associate Professor, The Scripps Research Institute
14-May	01:30 - 02:30 PM	A genomic view of translation and protein function	Epigenomic Profiles of Asthma	Ivana V Yang, PhD Associate Professor, Department of Medicine, University of Colorado School of Medicine, Department of Epidemiology, Colorado School of Public Health, Integrated Center for Genes, Environment,
14-May	01:30 - 02:30 PM	Next Gen Sequencing	Germline Cancer Genetics in 2015	Judy E Garber, MD, MPH Director, Center for Cancer Genetics and Prevention, Susan F. Smith Center for Women's Cancers, Dana-Farber Cancer Institute
14-May	03:00 - 04:00 PM	A genomic view of translation and protein function	Translating Airway Gene-Expression into a Biomarker for Lung Cancer and COPD	Avrum Spira, MD, MSc Chief, Division of Computational Biomedicine, Boston University School of Medicine, Director, Translational Bioinformatics Program, Clinical and Translational Science Institute