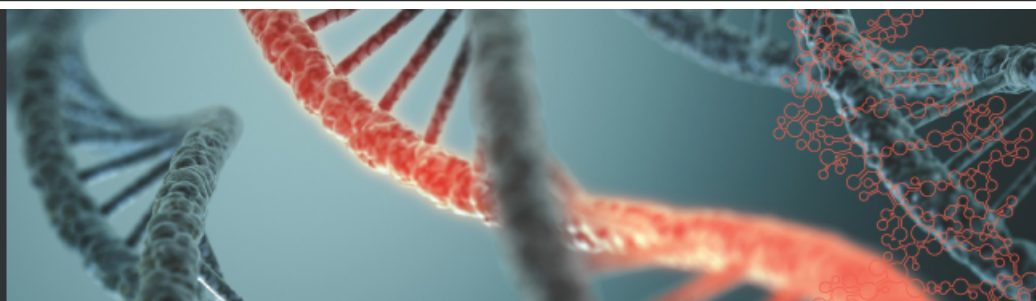


GENETICS & GENOMICS

MAY 13-14, 2015



| 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 |

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| 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 Instructor, Channing Division of Network Medicine, Brigham and Women's Hospital, Harvard Medical School |

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| 14-May | 06:00 - 07:00 AM | Next Gen Sequencing | Next-generation sequencing for BRCA1 and BRCA2 mutation testing | Vikram Devgan, PhD, MBA Senior Director, Spatial Genomics Business Unit, NanoString Technologies |
| 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 |