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| 8-May | 06:00 - 07:00 AM | The Epigenome in Health and Disease             | Novel DNA Methylation in Mammals                                                                      | Tao Wu, PhD  
Assistant Professor, CPRIT Scholar for Cancer Research,  
Department of Molecular and Human Genetics, Dan L Duncan Comprehensive Cancer Center, Baylor College of Medicine |
| 8-May | 06:00 - 09:00 AM | Progression in Genome Editing Including Single Base Editing and Application | Upgrading the CRISPR Toolbox - New Strategies  
Sharpen the CRISPR-Cas9 Scissors Utilizing Visualization and Chromatic Accessibility | Michelle Ding, M.S.  
R&D Scientist, MilliporeSigma  
Yanfang Jiang, PhD  
Senior R&D Scientist, MilliporeSigma |
| 8-May | 07:30 - 08:30 AM | Interpreting Genome Sequence Information from Telomere to Telomere | Keynote Presentation: Interpreting the Zero $ Genome via Base Editing, Organoids & in Situ Omics | George M. Church, PhD  
Professor of Genetics, Director of the Center for Computational Genetics, Harvard Medical School |
| 8-May | 09:00 - 10:00 AM | Progress in Genome Editing Including Single Base Editing and Application | Circular Synthesized CRISPR/Cas gRNAs for Functional Interrogations in Single and Multiplex Formats | Manuel Kaulich, PhD  
CSO, Vivlion |
| 8-May | 09:00 - 10:00 AM | Interpreting Genome Sequence Information from Telomere to Telomere | Development of an Arrayed Whole Human Genome KO Library for Functional Genomics Screening, Using an Optimized Multi-sgRNA Approach | Kevin Holden, PhD  
Head of Science, Synthego |
| 8-May | 10:30 - 11:30 AM | Progression in Genome Editing Including Single Base Editing and Application | Discovering Cellular Mechanisms and Biomarkers in Anti-PD1 Non-Responders Using Ingenuity Pathway Analysis Software and OmicSoft OncoLand Datasets from QIAGEN | Devendra Mistry, PhD  
Senior Field Application Scientist, QIAGEN Advanced Genomics |
| 8-May | 10:30 - 11:30 AM | Interpreting Genome Sequence Information from Telomere to Telomere | Using Networks to Understand Cancer Risk | John Quackenbush, PhD  
Professor of Computational Biology and Bioinformatics,  
Chair of the Department of Biostatistics, Harvard University, Dana-Farber Cancer Institute |
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| 8-May  | 12:00 – 01:00 PM | Interpreting Genome Sequence Information from Telomere to Telomere            | Jonathan Shaffer, PhD, MBA  
Director, R&D, NGS Assay Technologies, QIAGEN |
| 8-May  | 01:30 – 02:30 PM | Interpreting Genome Sequence Information from Telomere to Telomere            | Jonas Korlach, PhD  
Chief Scientific Officer, Pacific Biosciences |
| 9-May  | 06:00 – 07:00 AM | Interpreting Genome Sequence Information from Telomere to Telomere            | Mark Kiel, MD, PhD  
Co-Founder and Chief Science Officer, Genomenon |
| 9-May  | 07:30 – 08:30 AM | The Epigene in Health and Disease                                            | Michael Snyder, PhD  
Professor and Chair, Genetics, Director, Stanford Center for Genomics and Personalized Medicine, Stanford University School of Medicine |
| 9-May  | 09:00 – 10:00 AM | Completing the Human Genome: The Progress and Challenge of Satellite DNA Assembly | Karen Miga, PhD  
Assistant Research Scientist; UCSC Genomics Institute, University of California, Santa Cruz |
| 9-May  | 09:00 – 10:00 AM | Polygenic Risk Scores: PheWas and GWAS and Utility of Biobank Information     | Guillaume Paré, MD, Msc, FRCP  
Associate Professor, Director, Genetic and Molecular Epidemiology Laboratory, McMaster Genome Institute |
| 9-May  | 10:30 – 11:30 AM | Background and Troubleshooting for RT-PCR                                   | Gillian Browne, PhD  
Global Market Development Scientist, Gene Editing and Novel Modalities, MilliporeSigma |
| 9-May  | 10:30 – 11:30 AM | Somatic Gene Recombination in the Brain                                       | Jerold Chun, MD, PhD  
Professor and Senior Vice President, Sanford Burnham Prebys Medical Discovery Institute |
| 9-May  | 12:00 – 01:00 PM | A Metagenomic Assay to Interrogate the Role of Virome and Microbiome in Cancer | Erle Robertson, PhD  
Harry P. Schenck Endowed Chair Professor, Vice-Chair, Department of Otorhinolaryngology, Perelman School of Medicine, University of Pennsylvania |
| 9-May  | 01:30 – 02:30 PM | The NIH Rare Disease Undiagnosed Diseases Network; Lessons Learnt and Challenges Faced in the First Four Years | Liz Worthey, PhD  
Faculty Investigator, HudsonAlpha Institute for Biotechnology |