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| 22-Feb| 6:00-7:00 AM | Clinical Implementations of Precision Medicine | GenomeFIRST â„¢ A new paradigm for the return of genomic results                      | Marc Williams, MD  
Director, Genomic Medicine Institute Geisinger Health System                               |
| 22-Feb| 6:00-7:00 AM | How Advancements are Shaping Precision Medicine | Mate-pair next generation sequencing as a powerful clinical tool for the characterization of cancer | David Smith, PhD  
Professor and Consultant, Department of Laboratory Medicine and Pathology, Mayo Clinic |
| 22-Feb| 7:30-8:30 AM | Precision Medicine Initiative | KEYNOTE: Where innovation and regulation meet                                           | Laura Koontz, PhD  
Personalized Medicine Staff at the Food and Drug Administration in the Center for Devices and Radiological Health |
| 22-Feb| 9:00-10:00 AM | How Advancements are Shaping Precision Medicine | The Microbiome-Gut-Brain Axis: Linking Gastrointestinal and Neurobehavioral Processes in Autism Spectrum Disorder | Ruth Ann Luna, PhD, MB (ASCP) CM  
Director, Medical Metagenomics Texas Children's Microbiome Center  
Texas Children's Hospital Assistant Professor Baylor College of Medicine |
| 22-Feb| 10:30-11:30 AM | Precision Medicine for Drug Development | Beyond the hype: the evidence behind the role of genetics in drug response             | Matt Nelson, PhD  
Head, Genetics at GlaxoSmithKline                                                             |
| 22-Feb| 10:30-11:30 AM | Precision Medicine Issues and Challenges | NGS live in your lab in 30 days                                                      | Salim Essakali  
Associate Director, NGS  
Yi Kong, Ph.D.  
Product Director, QIAGEN                                                                     |
| 22-Feb| 12:00-1:00 PM | How Advancements are Shaping Precision Medicine | From Bits to Bedside: Translating Big Data into Precision Medicine and Digital Health | Dexter Hadley, MD, PhD  
Assistant Professor of Pediatrics Institute for Computational Health Sciences University of California, San Francisco |
| 22-Feb| 12:00-1:00 PM | Precision Medicine Issues and Challenges | Measurement Assurance for Tissue Engineering & Regenerative Medicine                  | Carl Simon, PhD  
Biologist, Biosystems & Biomaterials Division                                               |
| 22-Feb| 1:30-2:30 PM | How Advancements are Shaping Precision Medicine | Integrating genomics platforms and data in Biobanks                                    | Sami Amr, PhD  
Director of the Translational Genomics Core of Partners HealthCare Personalized Medicine, Harvard Medical School |
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| 23-Feb | 6:00-7:00 AM | Precision Medicine Issues and Challenges | Obtaining Samples for Precision Medicine Studies: An Outsider's Perspective Matt Klusas  
Chief Commercial Officer, Omniseq |
| 23-Feb | 6:00-7:00 AM | How Advancements are Shaping Precision Medicine | Validation and Commercialization of Liquid Biopsy in a CLIA Lab Michael Nall  
President and CEO at Biocept |
| 23-Feb | 7:30-8:30 AM | Clinical Implementations of Precision Medicine | KEYNOTE: Towards a new era of precision medicine in psychiatry: Using genetic algorithms to optimize medication outcome  
Daniel Mueller, PhD  
Head of the Pharmacogenetics Research Clinic at the Campbell Family Mental Health Research Institute at CAMH, and Associate Professor in the Department of Psychiatry at the University of Toro |
| 23-Feb | 9:00-10:00 AM | How Advancements are Shaping Precision Medicine | Metabolomics and its Role in Precision Medicine John Ryals, PhD  
President and Chief Executive Officer, Metabolon |
| 23-Feb | 10:30-11:30 AM | Clinical Implementations of Precision Medicine | Clinical Whole Genome Sequencing In a Healthy Population Erica Ramos, MS, CGC  
Clinical Head, Healthy Genome Initiatives, Staff Genetic Counselor, Applied Genomics |
| 23-Feb | 12:00-1:00 PM | Clinical Implementations of Precision Medicine | Novel Precision medicines that exploit Proximity James Prudent, PhD  
President and Chief Executive Officer Centrose |
| 23-Feb | 12:00-1:00 PM | Precision Medicine Issues and Challenges | Rapid Learning for Precision Oncology Marty Tenenbaum, PhD  
Founder and Chairman at Cancer Commons |
| 23-Feb | 12:00-1:00 PM | How Advancements are Shaping Precision Medicine | Recent progress in cellular medicine with an eye to precision medicine Giacinto Scoles, PhD  
Donner Professor of Science and Professor of Chemistry, Emeritus |
| 23-Feb | 1:30-2:30 PM | How Advancements are Shaping Precision Medicine | Mining Dense, Dynamic Personal Data Clouds to Enhance Health Nathan Price, PhD  
Professor and Associate Director, Institute for Systems Biology |