



| Date   | Time             | Track                                           | Presentation Title                                                                                                | Speaker                                                                                                                                                                             |
|--------|------------------|-------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 22-Feb | 06:00 - 07:00 AM | Clinical Implementations of Precision Medicine  | GenomeFIRST™ A new paradigm for the return of genomic results                                                     | Marc Williams, MD<br>Director, Genomic Medicine Institute Geisinger Health System                                                                                                   |
| 22-Feb | 06:00 - 07:00 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<br>Professor and Consultant, Department of Laboratory Medicine and Pathology, Mayo Clinic                                                                          |
| 22-Feb | 07:30 - 08:30 AM | Precision Medicine Initiative                   | KEYNOTE: Where innovation and regulation meet                                                                     | Laura Koontz, PhD<br>Personalized Medicine Staff at the Food and Drug Administration in the Center for Devices and Radiological Health                                              |
| 22-Feb | 07:30 - 08:30 AM | Precision Medicine Initiative                   | Title Coming Soon                                                                                                 | Adam Berger, PhD<br>Personalized Medicine Staff Office of In Vitro Diagnostics and Radiological Health Center for Devices and Radiological Health U.S. Food and Drug Administration |
| 22-Feb | 09:00 - 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<br>Director, Medical Metagenomics Texas Children's Microbiome Center<br>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<br>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<br>Associate Director, NGS<br>Yi Kong, Ph.D.<br>Product Director, QIAGEN                                                                                             |

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| 22-Feb | 12:00 - 01:00 PM | How Advancements are Shaping Precision Medicine | From Bits to Bedside: Translating Big Data into Precision Medicine and Digital Health                                   | Dexter Hadley, MD, PhD<br>Assistant Professor of Pediatrics Institute for Computational Health Sciences University of California, San Francisco                                                                              |
| 22-Feb | 12:00 - 01:00 PM | Precision Medicine Issues and Challenges        | Measurement Assurance for Tissue Engineering & Regenerative Medicine                                                    | Carl Simon, PhD<br>Biologist, Biosystems & Biomaterials Division                                                                                                                                                             |
| 22-Feb | 01:30 - 02:30 PM | How Advancements are Shaping Precision Medicine | Integrating genomics platforms and data in Biobanks                                                                     | Sami Amr, PhD<br>Director of the Translational Genomics Core of Partners HealthCare Personalized Medicine, Harvard Medical School                                                                                            |
| 23-Feb | 06:00 - 07:00 AM | Precision Medicine Issues and Challenges        | Obtaining Samples for Precision Medicine Studies: An Outsider's Perspective                                             | Matt Klusas<br>Chief Commercial Officer, Omiseq                                                                                                                                                                              |
| 23-Feb | 06:00 - 07:00 AM | How Advancements are Shaping Precision Medicine | Validation and Commercialization of Liquid Biopsy in a CLIA Lab                                                         | Michael Nall<br>President and CEO at Biocept                                                                                                                                                                                 |
| 23-Feb | 07:30 - 08:30 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<br>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 | 09:00 - 10:00 AM | How Advancements are Shaping Precision Medicine | Metabolomics and its Role in Precision Medicine                                                                         | John Ryals, PhD<br>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<br>Clinical Head, Healthy Genome Initiatives, Staff Genetic Counselor, Applied Genomics                                                                                                                 |
| 23-Feb | 10:30 - 11:30 AM | Precision Medicine Issues and Challenges        | Title Coming Soon                                                                                                       | Adam C. Resnick PhD<br>Director of the Center for Data Driven Discovery in Biomedicine (D3b)<br>Director for Neurosurgical Translational Research, Division of Neurosurgery<br>Director of Children's Brain Tumor Tissue Con |
| 23-Feb | 12:00 - 01:00 PM | Clinical Implementations of Precision Medicine  | Novel Precision medicines that exploit Proximity                                                                        | James Prudent, PhD<br>President and Chief Executive Officer Centrose                                                                                                                                                         |

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| 23-Feb | 12:00<br>-<br>01:00<br>PM | Precision<br>Medicine Issues<br>and Challenges           | Rapid Learning for Precision Oncology                                     | Marty Tenenbaum, PhD<br>Founder and Chairman at Cancer Commons                           |
| 23-Feb | 12:00<br>-<br>01:00<br>PM | How<br>Advancements are<br>Shaping Precision<br>Medicine | Recent progress in cellular medicine with an<br>eye to precision medicine | Giacinto Scoles, PhD<br>Donner Professor of Science and Professor of Chemistry, Emeritus |
| 23-Feb | 01:30<br>-<br>02:30<br>PM | How<br>Advancements are<br>Shaping Precision<br>Medicine | Mining Dense, Dynamic Personal Data<br>Clouds to Enhance Health           | Nathan Price, PhD<br>Professor and Associate Director, Institute for Systems Biology     |