**Wednesday, October 16**

10:00AM - 10:30AM  
Data CoLab: Genomic Insights into Diversity: Population Scale Analysis  
*Presented by: Illumina*

12:45PM – 1:30 PM  
Laboratory CoLab: Utilization of single strategic partner for biospecimens and genomic services including significantly improved methods for FFPE RNA extraction and whole exome sequencing with deep coverage of solid tumor variants  
*Presented by: Discovery Life Sciences*

1:45PM - 2:15PM  
Data CoLab: Sequence Based Genotypes for Population Scale Genomic Research Using RipTide™  
*Presented by: iGenomX*

2:30PM - 3:00PM  
Data CoLab: Analyzing Genomic Data at Scale with Google Cloud  
*Presented by: Google*

3:15PM - 3:45PM  
Data CoLab: Graph-based methods for representing genetic information  
*Presented by: Seven Bridges*

4:00PM - 4:30PM  
Data CoLab: Managing Genomic Data with Regional Encryption for Efficient Storage, Regulated Access and Proven Compliance  
*Presented by: PetaGene*

**Thursday, October 17**

10:30AM - 11:00AM  
Data CoLab: Genomics workflow optimization: Overcoming barriers for successful automation  
*Presented by: Artel*

12:45PM - 1:30PM  
Laboratory CoLab: Complete NGS Workflow Automation with Unlimited Creativity: Introducing Miro Technology  
*Presented by: Miroculus*
1:45PM - 2:15PM
Clinical CoLab: An integrated end-to-end platform for engaged population-scale research  
*Presented by: Color*

2:30PM - 3:00PM
Laboratory CoLab: Genomics Challenges from a Single Sample to Large Clinical Studies  
*Presented by: Broad Institute Genomic Services*

3:15PM – 4:30PM
Laboratory CoLab: Development of RNA-seq based Endovascular Biopsy for Brain Arteriovenous Malformations  
*Presented by: Bio-Rad Laboratories*

**Friday, October 18**

10:00AM - 10:30AM
Data CoLab: Using dbGaP Aggregated Allele Frequency and other large data sets in dbSNP to improve human genetic variation interpretation  
*Presented by: National Center for Biotechnology Information*

12:45PM – 1:30 PM
*Check Mobile App*

1:45PM – 2:15 PM
*Check Mobile App*

2:30PM – 3:00PM
*Check Mobile App*

**CoLab Theater 2 Schedule**

**Wednesday, October 16**

10:00AM - 10:30AM
Data CoLab: How Rady Children’s Institute and University of Pittsburgh Medical Center are Automating Literature Curation and Variant Interpretation  
*Presented by: GENOMENON*

12:45PM - 1:30PM
Data CoLab: IVF in silico: fertilization assistance by facilitating clinical and research collaboration  
*Presented by: L7 Informatics*

1:45PM-2:15PM
Data CoLab: Accelerate secondary analysis of FASTQ files  
*Presented by: NetApp*

2:30PM - 3:00PM
Clinical CoLab: Everything's Bigger: Benefits and challenges of clinical genome sequencing today
*Presented by: Fulgent Genetics*

3:15PM - 3:45PM
Data CoLab: Applying AI to variant classification: lessons from 2,642 cancer patients analyzed with a 52-gene inherited cancer risk panel
*Presented by: Fabric Genomics*

4:00PM – 4:30PM
Laboratory CoLab: DNA Break-Induced Epigenetic Drift as a Cause of Mammalian Aging
*Presented by: Dovetail Genomics*

**Thursday, October 17**

10:30AM - 11:00AM
Other CoLab: Drop-off Assay Using Crystal Digital PCR™ for the Detection and Quantification of EGFR Mutations in Circulating cfDNA
*Presented by: Stilla Technologies*

12:45PM – 1:30 PM
Clinical CoLab: Integrating the Metabolome for Biomarkers of Rare Diseases
*Presented by: Takeda*

1:45PM - 2:15PM
Data CoLab: Building enabling technologies and analytics for our partners and customers
*Presented by: Microsoft*

2:30PM - 3:00PM
Data CoLab: Manage the tsunami of genomic data --- with faster data solutions from NetApp and PetaGene
*Presented by: NetApp*

3:15PM - 4:00PM
Data CoLab: Seamlessly transition from cell sorter to single-cell library preparation with the WOLF®
*Presented by: NanoCellect Biomedical, Inc.*

4:00PM - 4:30PM
Laboratory CoLab: Streamlining and Improving Sensitivity with Single-Cell Next-Generation Sequencing of Small Non-coding RNA
*Presented by: TriLink BioTechnologies*

**Friday, October 18**
10:00AM - 10:30AM
Laboratory CoLab: Xdrop™ - Targeted Sequencing enabled into the Dark and Unknown
Presented by: Samplix

12:45PM – 1:30 PM
Data CoLab: Accelerating Genomic Data Processing and Tertiary Analytics at Biobank-scale
Presented by: Databricks

1:45PM – 2:15 PM
Clinical CoLab: Untargeted Metabolomics as a Discovery Tool for Therapeutic Monitoring and Management in MPS II
Presented by: Takeda

2:30PM – 3:00PM
Laboratory CoLab: Characterizing Regulatory Variation Associated with Complex Traits
Presented by: The American Journal of Human Genetics

CoLab Theater 3
Schedule

Wednesday, October 16

10:00AM - 10:30AM
Laboratory CoLab: Cancer Recurrence Monitoring Using Single-Workflow dPCR Platform
Presented by: COMBiNATi

12:45PM - 1:30PM
Clinical CoLab: Fine-tuning CNV Analysis for the Clinical Analysis of NGS Samples
Presented by: Golden Helix

1:45PM - 2:15PM
Laboratory CoLab: Roche's New Target Enrichment Portfolio: Better by Design
Presented by: Roche Sequencing and Life Science

2:30PM - 3:00PM
Laboratory CoLab: Resolving Complex Biology with Single Cell Solutions: Multiply the Power of Discovery
Presented by: 10X Genomics

3:15PM - 3:45PM
Laboratory CoLab: Harnessing the Power of Whole Genome Sequencing to Benefit Both Clinically-Affected and Healthy Populations
Presented by: PerkinElmer Genomics

4:00PM - 4:30PM
Data CoLab: NCBI Resources for NextGen Sequence Analysis
Presented by: NCBI/NLM
**Thursday, October 17**

10:30AM - 11:00AM
Laboratory CoLab: Sample Preparation for Single Cell Solutions: Beyond the Basics  
*Presented by: 10X Genomics*

12:45PM - 1:30PM
Clinical CoLab: Clinical Variant Analysis: Applying the AMP & ACMG Guidelines in the Clinical Practice  
*Presented by: Golden Helix*

1:45PM - 2:15PM
Laboratory CoLab: Building a High Throughput Genomics Laboratory for Precision Medicine  
*Presented by: PerkinElmer*

2:30PM - 3:00PM
Laboratory CoLab: Single-Cell Functional Genomics to Study Tumor Development  
*Presented by: Cellecta*

3:15PM - 3:45PM
Laboratory CoLab: Envision New Dimensions: The Visium Spatial Gene Expression Solution  
*Presented by: 10X Genomics*

4:00PM - 4:30PM
Clinical CoLab: Clinical Utility and Potential Impacts of Pharmacogenomic Testing: How PGX is a win-win for everyone  
*Presented by: Beckman Coulter*

**Friday, October 18**

10:00AM - 10:30AM
Laboratory CoLab: PacBio Sequel II System: Structural Variants and Whole Transcriptome in 1 SMRT Cell Each  
*Presented by: PacBio*

12:45PM - 1:30PM
Laboratory CoLab: Speeding up Genomic Discoveries through Innovation: New Fast Library Quant (NGS) and High Fidelity and Long Range Amplification (PCR)  
*Presented by: Quantabio*

1:45PM - 2:15PM
Other: Genetic Testing Re-Imagined: Next-Generation Sequencing in the age of Next-Generation Phenotyping  
*Presented by: FDNA*

2:30PM - 3:00PM
Laboratory CoLab: Single Cell Data Analysis: Gaining a Multiomic Perspective  
*Presented by: 10X Genomics*