



## CoLab Theater 1 Schedule

### **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: NanoCollect 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*