Clinical Exomics

8:45 AM - 10:15 AM: Session 1: Clinical Exome Sequencing Workflow

Hands-on workshop on clinical exome sequencing.
Protocols for sample collection, library preparation, sequencing, and clinical-grade data analysis.

10:15 AM - 10:30 AM: Coffee / Tea / Snacks Break

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Diagnostic Pipelines for Exome Sequencing

Practical session on setting up diagnostic pipelines.
Protocols for integrating exome sequencing data into clinical diagnostics, including reporting and validation.

12:00 PM - 1:00 PM: Lunch Break

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Variant Curation in Clinical Exomics

Hands-on training on variant curation.
Protocols for curating variants using clinical databases and guidelines like ACMG to classify

pathogenicity.

2:30 PM - 2:45 PM: Short Break

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Exome Sequencing for Neonatal and Prenatal Diagnostics

Practical session on using exome sequencing for early diagnostics.
Protocols for applying exome sequencing in neonatal and prenatal diagnostics to identify genetic disorders.

4:15 PM - 4:30 PM: Coffee / Tea / Snacks Break

Last networking opportunity with snacks.

4:30 PM - 5:30 PM: Closing Session: Implementing Changes and Technology Adoption

Group discussions on implementing new techniques learned today.
Dialogue on overcoming challenges in adopting new technologies in similar sectors.
Feedback session and closing remarks.
Certificate Issue

5:30 PM: Workshop Concludes