



NTHRYS WORKSHOPS

Population Exomics

8:45 AM - 10:15 AM: Session 1: Large-Scale Exome Sequencing for Population Studies

Hands-on workshop on large-scale exome sequencing.
Protocols for scaling exome sequencing workflows for population genomics projects, including sample prep automation and data management.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Exome-Wide Association Studies (ExWAS)

Practical session on conducting exome-wide association studies.
Protocols for associating exome variants with phenotypic traits across populations.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Rare Variant Detection in Populations

Hands-on training on detecting rare variants in population exomes.

Protocols for identifying and analyzing rare genetic variants using exome sequencing data.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Integrating Exome Data with Clinical and Phenotypic Data

Practical session on integrating exome data with clinical data.

Protocols for linking genetic findings to clinical outcomes using phenotypic databases and electronic health records.

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