



NTHRYS WORKSHOPS

Advanced Exomics Techniques

8:45 AM - 10:15 AM: Session 1: Targeted Exome Capture Protocols

Hands-on workshop on targeted exome capture techniques.
Protocols for using hybridization probes to enrich specific regions of the genome before sequencing.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Custom Exome Panels for Disease Research

Practical session on designing custom exome panels.
Protocols for creating disease-specific panels for conditions like cancer, neurological disorders, and cardiovascular diseases.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Mitochondrial Exome Sequencing

Hands-on training on mitochondrial exome sequencing.

Protocols for sequencing and analyzing the exome of mitochondrial DNA to study mitochondrial disorders.

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 in Cancer Genomics

Practical session on using exome sequencing in cancer research.
Protocols for detecting somatic mutations, copy number variations, and structural variants in tumor samples.

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