



NTHRYS WORKSHOPS

Functional Exomics

8:45 AM - 10:15 AM: Session 1: Functional Validation of Exome Variants

Practical session on validating exome variants in the lab.
Protocols for using CRISPR and other gene-editing tools to test the functional impact of exome variants.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: High-Throughput Functional Assays for Exomics

Hands-on training on high-throughput assays for exomics.
Protocols for using techniques like flow cytometry, reporter assays, and cellular phenotyping to study variant function.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Exomic Data Integration with Proteomics and Transcriptomics

Practical session on integrating exome data with other omics layers.
Protocols for combining exomics with proteomics and transcriptomics for comprehensive biological insights.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: In Vivo and In Vitro Models for Exomic Research

Hands-on workshop on using model organisms and cell lines to study exome variants.
Protocols for creating and using in vivo and in vitro models to assess the functional impact of genetic variants.

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