



NTHRYS WORKSHOPS

Exomics For Infectious Disease Research

8:45 AM - 10:15 AM: Session 1: Exome Sequencing for Host-Pathogen Interactions

Hands-on workshop on studying host-pathogen interactions using exomics. Protocols for identifying exome variants that influence susceptibility and resistance to infectious diseases.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Exome-Based Discovery of Antimicrobial Resistance Genes

Practical session on discovering antimicrobial resistance genes. Protocols for using exome sequencing to identify and characterize resistance genes in pathogens.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Immune Response and Exome Variants

Hands-on training on linking exome variants to immune response.
Protocols for studying how genetic variants influence immune responses to infections and vaccines.

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 Outbreak Investigations

Practical session on using exome sequencing in outbreak investigations.
Protocols for identifying genetic factors that contribute to pathogen spread and severity during infectious disease outbreaks.

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