



NTHRYS WORKSHOPS

Genomics And Plant Pathogenomics

8:45 AM - 10:15 AM: Session 1: Genomic Approaches in Plant Pathology

Hands-on workshop on pathogenomics.

Protocols for using genomic tools to study plant pathogen diversity, evolution, and virulence.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Comparative Genomics of Plant Pathogens

Practical session on comparative genomics.

Protocols for comparing the genomes of different plant pathogens to identify key virulence genes and evolutionary patterns.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Transcriptomics of Plant-Pathogen Interactions

Hands-on training on transcriptomics.

Protocols for using RNA sequencing to study gene expression changes in plants and pathogens

during infection.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: CRISPR and Genome Editing in Plant Pathology

Practical session on genome editing.

Protocols for using CRISPR/Cas9 and other genome editing tools to modify plant resistance genes and study pathogen interactions.

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