



NTHRYS WORKSHOPS

Molecular Diagnostics In Plant Pathology

8:45 AM - 10:15 AM: Session 1: Molecular Techniques for Plant Disease Diagnosis

Hands-on workshop on molecular diagnostics.
Protocols for using PCR, qPCR, and LAMP techniques to detect plant pathogens at the molecular level.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: High-Throughput Sequencing for Pathogen Detection

Practical session on NGS for plant pathogens.
Protocols for using high-throughput sequencing to identify and characterize pathogens in plant samples.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: CRISPR-based Tools for Pathogen Detection

Hands-on training on CRISPR diagnostics.

Protocols for developing CRISPR-based assays for rapid and specific detection of plant pathogens.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: DNA Barcoding and Metabarcoding in Plant Pathology

Practical session on DNA barcoding.

Protocols for using DNA barcoding and metabarcoding to identify pathogens in complex plant 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