



NTHRYS WORKSHOPS

Plant Immunity And Defense Mechanisms

8:45 AM - 10:15 AM: Session 1: Overview of Plant Immune Systems

Hands-on workshop on plant immunity.
Protocols for studying plant innate immunity, including pathogen recognition and defense activation mechanisms.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Signaling Pathways in Plant Defense

Practical session on plant signaling.
Protocols for investigating plant defense signaling pathways such as the jasmonic acid, salicylic acid, and ethylene pathways.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Plant Resistance Genes and Their Roles

Hands-on training on plant resistance genes.

Protocols for identifying and characterizing plant resistance genes (R genes) involved in pathogen recognition.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Induced Resistance and Priming in Plants

Practical session on induced resistance.

Protocols for studying how plants "prime" their immune systems in response to previous pathogen exposure and enhance resistance to future infections.

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