



NTHRYS WORKSHOPS

Introduction To Molecular Farming

8:45 AM - 10:15 AM: Session 1: Basics of Molecular Farming

Overview of molecular farming principles and applications.
Hands-on session on producing recombinant proteins and metabolites in plants.
Introduction to the importance of molecular farming in biotechnology.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Techniques in Molecular Farming

Interactive session on techniques used in molecular farming.
Workshop on using Agrobacterium-mediated transformation, biolistics, and other methods.
Practical demonstration of molecular farming techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Plant Cell and Tissue Culture

Exploring plant cell and tissue culture techniques.

Hands-on training on establishing and maintaining plant cell cultures.
Case studies on the role of cell culture in molecular farming.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Downstream Processing and Purification

Workshop on downstream processing and purification of plant-derived products.
Practical techniques for extracting and purifying recombinant proteins.
Case studies on the applications of downstream processing in molecular farming.

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