



NTHRYS WORKSHOPS

Introduction To Metabolomics

8:45 AM - 10:15 AM: Session 1: Basics of Metabolomics

Overview of metabolomics principles and applications.
Hands-on session on studying metabolic pathways and networks.
Introduction to the importance of metabolomics in biomedical research.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Analytical Techniques in Metabolomics

Interactive session on analytical techniques used in metabolomics.
Workshop on using mass spectrometry, NMR, and chromatography.
Practical demonstration of metabolite extraction and analysis.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Metabolic Profiling

Exploring techniques for metabolic profiling and fingerprinting.

Hands-on training on data acquisition and processing.
Case studies on the application of metabolic profiling in disease research.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Data Analysis and Interpretation

Workshop on metabolomics data analysis and interpretation.
Practical techniques for using bioinformatics tools and software.
Case studies on interpreting complex metabolomics data.

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