

## NTHRYS WORKSHOPS

# Introduction To Lipidomics

### 8:45 AM - 10:15 AM: Session 1: Basics of Lipidomics

Overview of lipidomics principles and applications.  
Hands-on session on studying lipid molecules.  
Introduction to the importance of lipidomics in biomedical research.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Techniques in Lipidomics

Interactive session on techniques for lipidomics analysis.  
Workshop on using mass spectrometry, chromatography, and other methods.  
Practical demonstration of lipid extraction and analysis.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Bioinformatics Tools in Lipidomics

Exploring bioinformatics tools for lipidomics analysis.

Hands-on training on using databases and software for lipid studies.  
Case studies on the application of bioinformatics in lipidomics research.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Functional Lipidomics**

Workshop on studying the functional roles of lipids.  
Practical techniques for analyzing lipid metabolism and signaling.  
Case studies on the role of lipidomics in understanding cellular functions.

### **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**