



## NTHRYS WORKSHOPS

# Advanced Techniques In Life Sciences

### 8:45 AM - 10:15 AM: Session 1: Advanced Cellular and Molecular Techniques

Introduction to advanced techniques in cellular and molecular biology.  
Hands-on session on using CRISPR, RNAi, and other methods.  
Practical demonstration of advanced experimental techniques.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Bioinformatics in Life Sciences

Exploring bioinformatics tools and techniques.  
Workshop on data analysis and interpretation.  
Case studies on the applications of bioinformatics in life sciences.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Proteomics and Metabolomics

Hands-on session on proteomics and metabolomics techniques.

Exploring techniques for protein and metabolite analysis.  
Practical applications of omics technologies in research.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Structural Biology**

Workshop on structural biology methods.  
Practical techniques for studying biomolecular structures.  
Case studies on the role of structural biology in understanding biological 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**