



## NTHRYS WORKSHOPS

# Advanced Techniques In Medical Biology

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

Introduction to advanced techniques in molecular biology.  
Hands-on session on CRISPR, RNA sequencing, and other methods.  
Practical demonstration of advanced molecular biology applications.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Proteomics and Metabolomics

Exploring proteomics and metabolomics in medical biology.  
Workshop on using mass spectrometry and NMR.  
Case studies on the applications of omics technologies in medical biology.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Immunology Techniques

Hands-on session on immunology techniques.

Exploring techniques for studying immune responses.  
Practical applications of immunological assays in medical research.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Stem Cell Research**

Workshop on the study of stem cells in medical biology.  
Practical techniques for isolating and characterizing stem cells.  
Case studies on the role of stem cells in regenerative medicine.

### **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**