



## NTHRYS WORKSHOPS

# Innovations In Molecular Diagnostics

### **8:45 AM - 10:15 AM: Session 1: Emerging Technologies in Molecular Diagnostics**

Introduction to emerging technologies in molecular diagnostics.  
Hands-on session on using advanced tools and techniques in diagnostics research.  
Case studies on innovative applications of new technologies in molecular diagnostics.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: AI and Machine Learning in Diagnostics**

Exploring the role of AI and machine learning in molecular diagnostics.  
Workshop on developing predictive models using AI and ML.  
Case studies on the applications of AI in enhancing diagnostics research.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Integrative Omics in Diagnostics**

Hands-on session on integrating multi-omics data in molecular diagnostics.  
Exploring techniques for combining genomics, proteomics, and metabolomics.  
Practical applications of integrative omics in diagnostics research.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Future Directions in Molecular Diagnostics**

Discussion on emerging trends and future directions in molecular diagnostics.  
Workshop on integrating new technologies in diagnostics research.  
Case studies on the potential impact of future innovations in molecular diagnostics.

### **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**