



## NTHRYS WORKSHOPS

# Advanced Techniques In Medical Microbiology

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

Introduction to advanced molecular techniques in medical microbiology.  
Hands-on session on using PCR, sequencing, and other methods.  
Practical demonstration of advanced molecular microbiology applications.

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

Networking and refreshments.

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

Exploring microbial genomics and proteomics techniques.  
Workshop on using omics technologies to study microorganisms.  
Case studies on the applications of genomics and proteomics in medical microbiology.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Microbial Pathogenesis**

Hands-on session on studying microbial pathogenesis.  
Exploring techniques for investigating how microorganisms cause disease.  
Practical applications of pathogenesis studies in developing treatments.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Environmental Microbiology**

Workshop on the study of microorganisms in various environments.  
Practical techniques for isolating and characterizing environmental microbes.  
Case studies on the role of environmental microbiology in healthcare.

### **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**