



## NTHRYS WORKSHOPS

# Advanced Techniques In Microbiology

### **8:45 AM - 10:15 AM: Session 1: Advanced Analytical Techniques in Microbiology**

Introduction to advanced analytical techniques for microbial analysis.  
Hands-on session on using molecular methods in microbiology.  
Practical demonstration of high-throughput techniques in microbial research.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Microbial Ecology and Environmental Microbiology**

Exploring microbial ecology and environmental microbiology.  
Workshop on studying microbial communities in various environments.  
Case studies on the role of microbes in ecosystem functioning.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Industrial Microbiology**

Hands-on session on industrial applications of microbiology.  
Exploring techniques for microbial production of bioproducts.  
Practical applications of industrial microbiology in biotechnology.

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

Time for a stretch and informal discussions.

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

Workshop on the role of microbes in human health and disease.  
Practical techniques for diagnosing and studying infectious diseases.  
Case studies on the impact of medical microbiology in public health.

### **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**