



## NTHRYS WORKSHOPS

# Microbiology In Biomedical Research

### 8:45 AM - 10:15 AM: Session 1: Role of Microbiology in Disease Research

Overview of the importance of microbiology in disease research.  
Hands-on session on studying pathogens and their mechanisms.  
Case studies on the impact of microbiology in biomedical research.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Microbial Pathogenesis

Exploring the mechanisms of microbial pathogenesis.  
Workshop on studying host-pathogen interactions.  
Case studies on the applications of microbiology in developing treatments for infectious diseases.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Antimicrobial Resistance

Hands-on session on the study of antimicrobial resistance.

Exploring techniques for detecting and combating resistance.  
Practical applications of microbiology in addressing antimicrobial resistance.

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

Time for a stretch and informal discussions.

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

Workshop on translating microbiology research into clinical practice.  
Practical techniques for using microbiological data in clinical settings.  
Case studies on the impact of microbiology on medical treatments.

### **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**