



## NTHRYS WORKSHOPS

# Introduction To Molecular Microbiology

### 8:45 AM - 10:15 AM: Session 1: Basics of Molecular Microbiology

Overview of molecular microbiology principles and applications.  
Hands-on session on studying microbial genetics and physiology.  
Introduction to the importance of molecular microbiology in understanding microbes.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Techniques in Molecular Microbiology

Interactive session on techniques used in molecular microbiology.  
Workshop on using PCR, sequencing, and other methods.  
Practical demonstration of molecular microbiology techniques.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Microbial Genomics

Exploring microbial genomics.

Hands-on training on studying microbial genomes.  
Case studies on the role of microbial genomics in understanding microbial diversity.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Microbial Pathogenesis**

Workshop on microbial pathogenesis.  
Practical techniques for studying the mechanisms of microbial diseases.  
Case studies on the applications of molecular microbiology in understanding pathogenesis.

### **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**