



## NTHRYS WORKSHOPS

# Emerging Trends In Cellular Microbiology

### 8:45 AM - 10:15 AM: Session 1: Single-Cell Analysis in Microbiology

Introduction to single-cell analysis techniques in microbiology.  
Practical session on single-cell RNA sequencing and data analysis.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Host-Microbiome Interactions

Overview of host-microbiome interactions and their significance.  
Hands-on workshop on analyzing the impact of the microbiome on host health and disease.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: CRISPR and Genome Editing in Microbiology

Discussion on the use of CRISPR and other genome editing technologies in microbiology.  
Practical exercises on applying genome editing techniques to study microbial infections.

**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 Cellular Microbiology**

Exploration of future trends and innovations in cellular microbiology.

Case studies on cutting-edge research and its impact on the field of microbiology.

**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**