



## NTHRYS WORKSHOPS

# Introduction To Archaea Microbiology

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

Overview of archaea and their unique characteristics.  
Introduction to the diversity and habitats of archaea.

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

Networking and refreshments.

### 10:30 AM - 12:00 PM: Session 2: Culturing Techniques for Archaea

Hands-on training on culturing techniques specific to archaea.  
Practical session on isolating and growing archaea in the laboratory.

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

Catered lunch and networking opportunity.

### 1:00 PM - 2:30 PM: Session 3: Molecular Methods in Archaea Research

Overview of molecular techniques used in archaea research.  
Practical exercises on DNA extraction, PCR, and sequencing for archaea.

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

Time for a stretch and informal discussions.

**2:45 PM - 4:15 PM: Session 4: Case Studies in Archaea Microbiology**

Discussion on real-world case studies involving archaea.

Analysis of archaea roles in extreme environments and biotechnological applications.

**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**