



## NTHRYS WORKSHOPS

# Introduction To Bioprocess Engineering

### **8:45 AM - 10:15 AM: Session 1: Basics of Bioprocess Engineering**

Overview of bioprocess engineering and its importance.  
Introduction to the principles of bioprocess design and development.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Bioreactor Design and Operation**

Hands-on training on bioreactor design and operation.  
Practical session on setting up and optimizing bioreactors for microbial and cell culture.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Downstream Processing**

Overview of downstream processing techniques.  
Practical exercises on purification and recovery of bioproducts.

**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 Bioprocess Engineering**

Discussion on real-world case studies in bioprocess engineering.  
Analysis of bioprocesses in pharmaceutical, food, and biotechnology industries.

**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**