



## NTHRYS WORKSHOPS

# Innovations In Environmental Biotechnology

### **8:45 AM - 10:15 AM: Session 1: Synthetic Biology in Environmental Applications**

Introduction to synthetic biology approaches for environmental applications.  
Hands-on session on designing synthetic biological systems.  
Case studies on synthetic biology projects in environmental biotechnology.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Nanobiotechnology for Environmental Applications**

Exploring the use of nanobiotechnology for environmental cleanup.  
Workshop on using nanomaterials for pollutant removal.  
Case studies on the impact of nanobiotechnology in environmental biotechnology.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Artificial Intelligence in Environmental Biotechnology**

Hands-on session on using AI and machine learning in environmental biotechnology.  
Exploring applications of AI in environmental data analysis.  
Case studies on AI-driven environmental biotechnology projects.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Future Trends in Environmental Biotechnology**

Discussion on emerging trends and technologies in environmental biotechnology.  
Workshop on integrating new technologies in environmental projects.  
Case studies on the future impact of environmental biotechnology innovations.

### **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**