



## NTHRYS WORKSHOPS

# Introduction To Impedance Microbiology

### **8:45 AM - 10:15 AM: Session 1: Fundamentals of Impedance Microbiology**

Hands-on workshop on the basics of impedance microbiology.  
Protocols for measuring microbial growth and activity using impedance-based systems.

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

Networking and refreshments.

### **10:30 AM - 12:00 PM: Session 2: Setup and Calibration of Impedance Instruments**

Practical session on setting up and calibrating impedance measurement instruments.  
Protocols for instrument calibration, electrode setup, and sensor optimization.

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

Catered lunch and networking opportunity.

### **1:00 PM - 2:30 PM: Session 3: Real-Time Monitoring of Microbial Growth Using Impedance**

Hands-on training on real-time microbial growth monitoring.

Protocols for using impedance methods to track microbial growth in different environmental conditions.

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

Time for a stretch and informal discussions.

### **2:45 PM - 4:15 PM: Session 4: Data Analysis and Interpretation in Impedance Microbiology**

Practical session on analyzing and interpreting impedance data.  
Protocols for processing impedance measurements and converting them into microbial growth curves.

### **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**