

NTHRYS WORKSHOPS

Advanced Techniques In Impedance Microbiology

8:45 AM - 10:15 AM: Session 1: Impedance Techniques for Rapid Detection of Pathogens

Hands-on workshop on using impedance for rapid pathogen detection.

Protocols for optimizing impedance assays for detecting bacterial and fungal pathogens in clinical and environmental samples.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Impedance Sensors for Food Safety Testing

Practical session on using impedance sensors in food safety.

Protocols for detecting microbial contamination in food products using impedance microbiology techniques.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Electrochemical Impedance Spectroscopy in Microbiology

Hands-on training on electrochemical impedance spectroscopy (EIS). Protocols for using EIS to study microbial biofilms, cell membranes, and metabolic activity.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Optimization of Impedance Sensors for Specific Microbial Targets

Practical session on optimizing impedance sensors for detecting specific microbial species. Protocols for sensor design, functionalization, and validation against microbial targets.

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.

5:30 PM: Workshop Concludes

Certificate Issue