



NTHRYS WORKSHOPS

Impedance Biosensors For Environmental And Clinical Applications

8:45 AM - 10:15 AM: Session 1: Development of Impedance Biosensors for Pathogen Detection

Hands-on workshop on developing impedance biosensors for detecting pathogens. Protocols for designing, fabricating, and testing biosensors for environmental and clinical applications.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Real-Time Monitoring of Environmental Pollutants Using Impedance

Practical session on monitoring pollutants using impedance-based sensors. Protocols for detecting and quantifying environmental contaminants like heavy metals, pesticides, and hydrocarbons.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Detection of Biomarkers in Clinical Samples with Impedance

Hands-on training on using impedance to detect clinical biomarkers. Protocols for measuring biomarkers in blood, urine, and other clinical samples using impedance biosensors.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Portable Impedance Devices for Field Diagnostics

Practical session on developing portable impedance devices. Protocols for creating field-ready, impedance-based diagnostic tools for rapid, on-site microbial and biomarker detection.

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