



NTHRYS WORKSHOPS

Biosensors For Environmental Monitoring

8:45 AM - 10:15 AM: Session 1: Electrochemical Biosensors

Hands-on workshop on constructing electrochemical biosensors.
Protocols for detecting pollutants like heavy metals and pesticides in water samples.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Enzyme-Based Biosensors

Practical session on developing enzyme-based biosensors.
Protocols for using enzymes to detect specific environmental contaminants.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: DNA Biosensors for Environmental Applications

Practical session on DNA-based biosensors.
Protocols for using DNA aptamers and probes for detecting environmental pollutants.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Fluorescent Biosensors for Real-Time Monitoring

Hands-on workshop on fluorescent biosensors.

Protocols for real-time monitoring of environmental changes using fluorescent indicators.

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