



NTHRYS WORKSHOPS

Advanced Techniques In Bacteriology

8:45 AM - 10:15 AM: Session 1: Molecular Bacteriology

Introduction to molecular techniques in bacteriology.
Practical demonstration of PCR, sequencing, and genetic engineering.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Bacterial Pathogenesis

Overview of bacterial pathogenesis and virulence factors.
Hands-on workshop on studying host-pathogen interactions.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Antibacterial Agents and Resistance

Discussion on antibacterial agents and mechanisms of resistance.
Practical session on testing bacterial susceptibility to antibiotics.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Industrial Applications of Bacteriology

Exploration of bacteriology in industrial processes.

Case studies on fermentation, bioremediation, and biotechnology applications.

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