



NTHRYS WORKSHOPS

Advanced Techniques In Bacteriophage Genomics

8:45 AM - 10:15 AM: Session 1: Comparative Genomics of Bacteriophages

Introduction to comparative genomics and its applications.
Practical demonstration of comparing bacteriophage genomes using bioinformatics tools
(Practical using Softwares and tools).

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Functional Genomics and Proteomics

Overview of functional genomics and proteomics in bacteriophage research.
Hands-on workshop on annotating genes and analyzing protein profiles (Practical using Softwares and tools).

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Bacteriophage-Host Interactions

Introduction to the interactions between bacteriophages and their hosts.

Practical session on studying bacteriophage infection mechanisms and host responses.(Practical)

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Therapeutic Applications of Bacteriophages

Discussion on the use of bacteriophages in therapy.

Case studies on the development and application of bacteriophage-based treatments.(Theoretical Discussion)

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