



NTHRYS WORKSHOPS

Emerging Trends In Bacteriophage Genomics

8:45 AM - 10:15 AM: Session 1: Metagenomics of Bacteriophages

Introduction to metagenomics and its relevance to bacteriophages.
Practical session on analyzing metagenomic data to discover new bacteriophages. (Practical using Metagenomics Softwares and tools)

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Synthetic Biology and Bacteriophages

Overview of synthetic biology applications in bacteriophage research.
Hands-on workshop on designing and constructing synthetic bacteriophages. (Multiple Practicals)

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Bacteriophage Engineering

Discussion on engineering bacteriophages for specific applications.
Practical exercises on modifying bacteriophage genomes for enhanced functionality. (Multiple

Practicals)

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Future Directions in Bacteriophage Genomics

Exploration of future trends and innovations in bacteriophage genomics.

Case studies on the impact of advanced research on bacteriophage applications. (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