Bacteriophage Genomics Workshops

NTHRYS BIOTECH LABS provides a diverse array of workshops in the realm of Bacteriophage Genomics. Explore our comprehensive offerings below

Application Process

1. Select a workshop from the list below.
2. Click on the WhatsApp icon in the top right corner to request fee details and dates suitable for joining. Alternatively, you can send an email to workshops (a t) nthrys [d 0 t] com.
3. Our Workshop department will contact you promptly to provide further assistance.

1. Introduction to Bacteriophage Genomics

+

Date: Pre Selected Date

Location: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.
Brief overview of today's focus.

8:45 AM - 10:15 AM: Session 1: Basics of Bacteriophage Biology

Overview of bacteriophages and their role in microbiology.
Introduction to bacteriophage life cycles and types.

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

Networking and refreshments.

10:30 AM - 12:00 PM: Session 2: Isolation and Characterization of Bacteriophages

Hands-on training on isolating bacteriophages from various sources.
Practical session on characterizing bacteriophages using microscopy and plaque assays.

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

Catered lunch and networking opportunity.

1:00 PM - 2:30 PM: Session 3: Bacteriophage Genomics Techniques

Overview of genomic techniques for studying bacteriophages.
Practical exercises on DNA extraction, PCR, and sequencing of bacteriophage genomes.

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

Time for a stretch and informal discussions.

2:45 PM - 4:15 PM: Session 4: Case Studies in Bacteriophage Genomics

Discussion on real-world case studies involving bacteriophage genomics.
Analysis of bacteriophage applications in medicine, agriculture, and biotechnology.

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 Agri Environmental sectors.

Feedback session and closing remarks.
Certificate Issue

5:30 PM: Workshop Concludes

2. Advanced Techniques in Bacteriophage Genomics

+

Date: Pre Selected Date

Location: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.
Brief overview of today's focus.

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.

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.

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.

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.

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 Agri Environmental sectors.
Feedback session and closing remarks.
Certificate Issue

5:30 PM: Workshop Concludes

3. Emerging Trends in Bacteriophage Genomics

+

Date: Pre Selected Date

Location: NBL Cherlapalli IDA Branch

Facilitator(s): NTHRYS TEAM

8:00 AM - 8:30 AM: Registration and Welcome Coffee

Participants arrive, register, and network over coffee.

8:30 AM - 8:45 AM: Opening Remarks

Welcome by the host.
Brief overview of today's focus.

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.

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.

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.

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.

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 Agri Environmental sectors.
Feedback session and closing remarks.
Certificate Issue

5:30 PM: Workshop Concludes

Note: NTHRYS Management reserves the right to modify the workshop module at any time without prior notice. Registered or enrolled candidates will receive the module that is current on the day of enrollment.

NTHRYS Workshops Department

M: +91-8977014748
Email: workshops (a t) nthrys [d0t] com