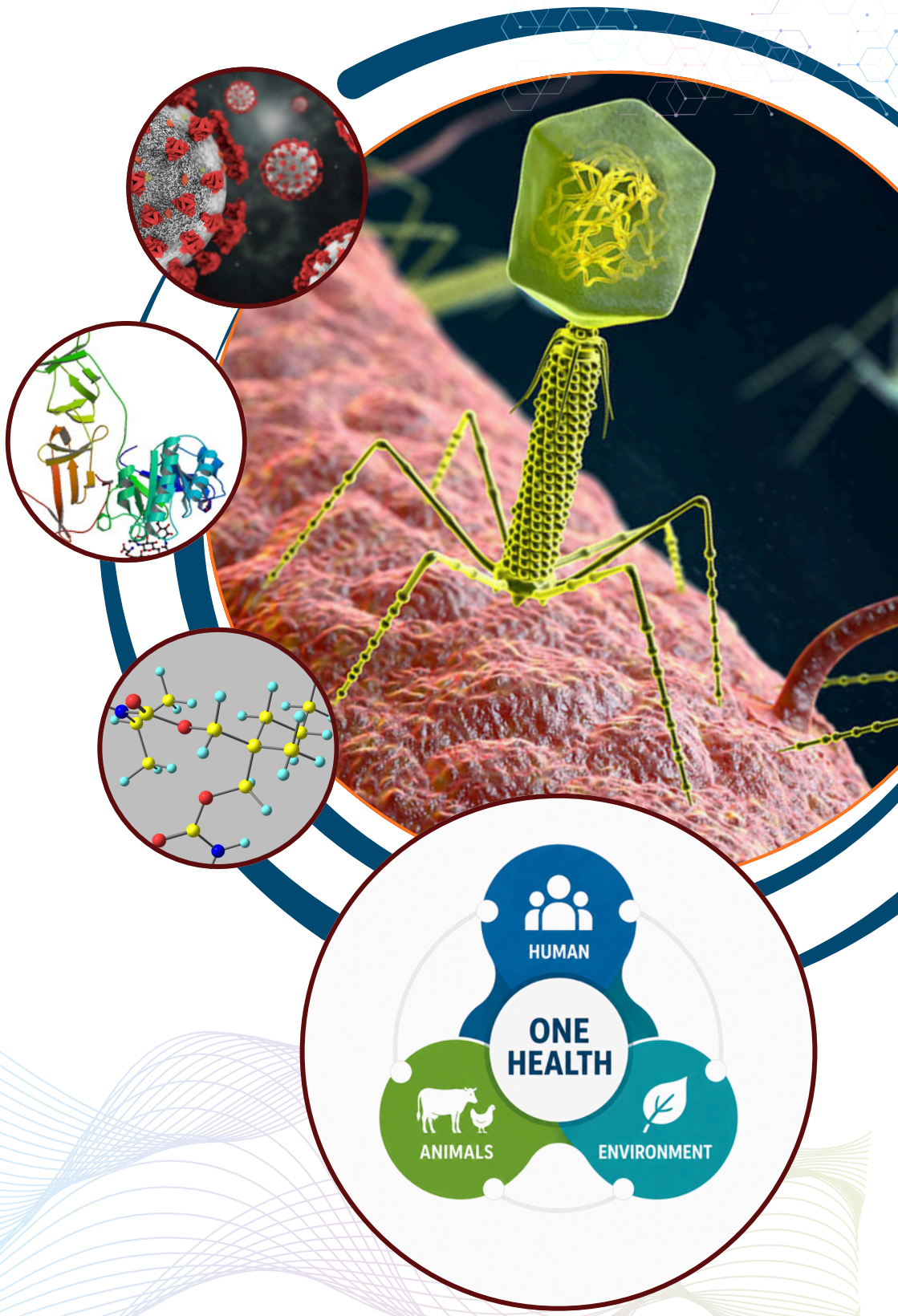
भाकृअनुप
ICAR

HANDS-ON WORKSHOP

SOCIETY FOR BACTERIOPHAGE RESEARCH AND THERAPY
सोसायटी फॉर बैक्टीरियोफेज रिसर्च एंड थेरेपी

COMBATING ANTIMICROBIAL RESISTANCE THROUGH BACTERIOPHAGES AND EMERGING BIOTHERAPEUTICS TRANSLATING ONE HEALTH RESEARCH INTO PRACTICE



WORKSHOP DATES

1-2 November 2026

Organized by : ICAR-National Research Centre on Equines, NCVTC, Hisar, Haryana

Objectives

- To provide comprehensive knowledge and practical skills in bacteriophage isolation, characterization, host range determination, lytic activity, and therapeutic phage selection.
- To provide hands-on training in phage genome sequencing, including sample preparation, library preparation, and ONT-based genome analysis.
- To develop skills in phage genome bioinformatics, genome mining, phage-host interaction prediction, and AMR-related genomic analysis.
- To familiarize participants with advanced molecular approaches, including CRISPR-Cas guide RNA design, phage engineering, and cloning of phage lytic genes.
- To enhance understanding of clinical and veterinary phage applications, delivery strategies, and precision approaches for combating AMR within the One Health framework.

Expected Outcomes

- Practical proficiency in bacteriophage isolation, characterization, and genome sequencing.
- Hands-on skills in bioinformatics and molecular tools for phage research.
- Understanding of phage-based therapeutics and their One Health applications.
- Preparedness to design and implement phage-based solutions against antimicrobial resistance.

Organizing Committee

- Organizing Chair: Dr. T.K. Bhattacharya
- Organizing Secretary: Dr. Taruna Anand
- Co-Organizing Secretary: Dr. B.C. Bera
- Workshop Coordinator: Dr. Nitin Virmani
- Workshop Co-Coordinator(s): Dr. Rajender Kumar & Dr. R.K.Vaid

Who can apply

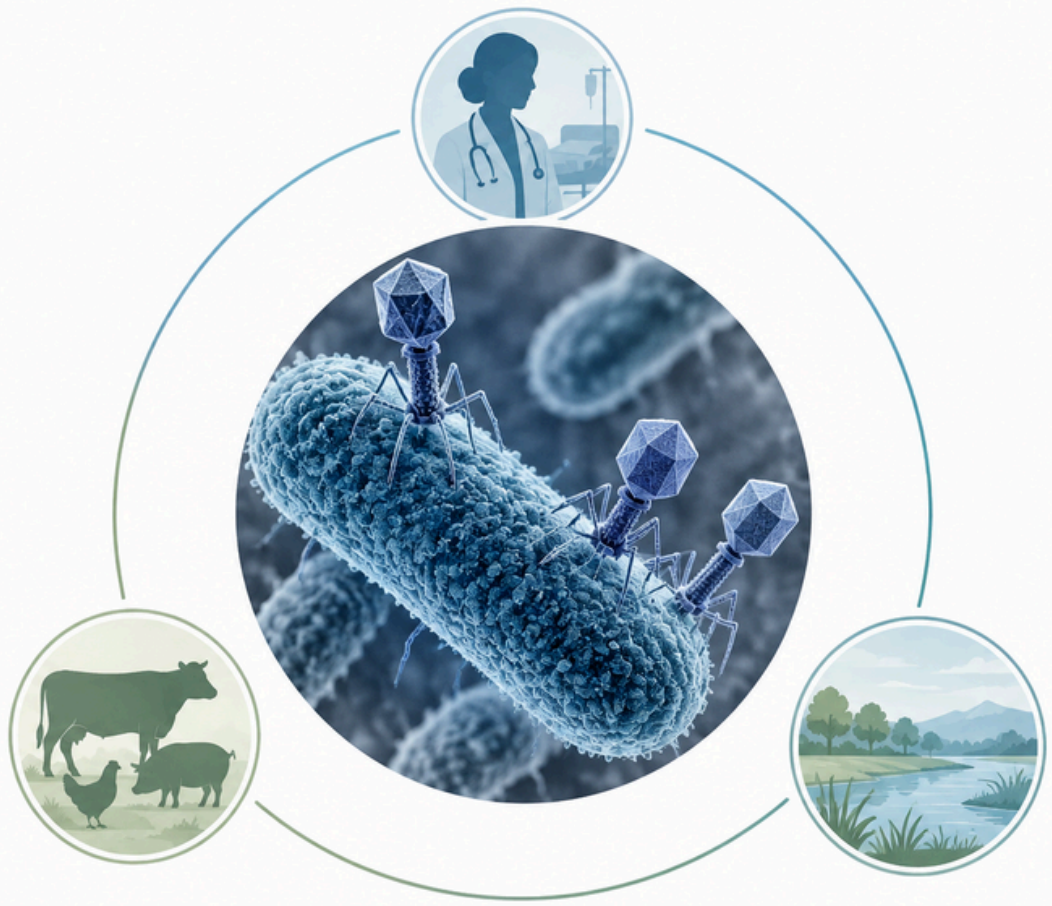
Scientists and Researchers / Assistant or Associate Professors from State / Central Universities / Public Sector Undertakings of Central / State Governments / Research and Development Institutions / Research Laboratories who are actively involved in bacteriophage-related research.

Participation certificates will be awarded to attendees.

How to apply

Workshop Registration Fees: Rs. 2000

For workshop registration, interested participants are requested to visit https://icarnrce.in/



About ICAR-NREC, Hisar

The ICAR-National Research Centre on Equines (NRCE), Hisar, is a premier organization of ICAR, established on 26 November 1985 to improve the health and productivity of equines in India. The Centre is working in frontier areas of Veterinary Sciences, dealing with infectious diseases of equines, for which it was awarded the prestigious Sardar Patel Outstanding ICAR Institution Award in 2014. NRCE has a sub-campus known as the Equine Production Campus at Bikaner (Rajasthan).

National Centre for Veterinary Type Cultures (NCVTC) is an ICAR microbial repository at ICAR-NRCE, Hisar, dedicated to conserving animal microbial diversity. It houses diverse collections of bacteria, viruses, bacteriophages, and recombinant clones, with advanced infrastructure supporting research in Biotechnology, Bacteriophage Research, Bacteriology, and Virology.





Important Dates

- **Workshop: 1-2 November 2026**
- **Last date for workshop nomination: 5th October, 2026**
- **Only 20 seats are available for workshop (Based on first come first served)**

Participants registering after 15 September are kindly requested to confirm workshop seat availability by email before submitting the workshop fee payment.

Contact

Organizing Chair:
Dr. T.K. Bhattacharya
Director,
ICAR- NRCE, Hisar

Organizing Secretary:
Dr. Taruna Anand
Principal Scientist, NCVTC,
ICAR-NRCE, Hisar

Co-Organizing Secretary:
Dr. B.C. Bera
Principal Scientist, NCVTC,
ICAR-NRCE, Hisar

For more details, please visit
https://icarnrce.in/

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