

Inserm Workshop 279

Phagothérapie : Concepts et Applications Phage Therapy: Concepts and Applications

22-24 Mai 2024 / May 22-24, 2024 ■ Bordeaux, France

Mercredi 22 Mai 2024 ■ Wednesday May, 22 2024

14:30 - 15:00	Reception of participants
15:00 - 15:15	Welcome and presentation by the organizers
15:15 - 16:00	Current needs and challenges of phage therapy: therapeutic failures, production, régulation, etc. Frédéric LAURENT (Inserm U1111-HCL, Lyon, France)
SESSION I	BIOLOGY OF BACTERIOPHAGES
16:00 - 16:45	Biology, taxonomy and genetics of phages Laurent DEBARBIEUX (Institut Pasteur, Paris, France)
16:45 - 17:15	Coffee break
17:15 - 18:00	Diversity and mechanisms of bacterial resistance François ROUSSET (Weizmann Institute of Science, Israël)
18:00 - 18:45	Phage experimental evolution Rémy FROISSART (CNRS UMR 5290, Montpellier, France)
18:45 - 19:30	<i>In vivo</i> evaluations on animal models (host immune response / phage / bacteria) Laurent DEBARBIEUX (Institut Pasteur, Paris, France)
19:30	Dinner

Jeudi 23 Mai 2024 ■ Thursday May, 23 2024

06:30 - 08:30	Breakfast
SESSION II	THERAPEUTIC PHAGES: PREPARATIONS AND USE
08:30 - 09:30	Isolation, selection, bioproduction, purification, classical and innovative formulations and quality of therapeutic phages Fabrice PIROT & Frédéric LAURENT (Hospices Civils de Lyon, France)
09:30 - 10:00	Phage Susceptibility Testing Camille KOLENDA (Inserm U1111 - HCL, Lyon, France)
10:00 - 10:30	Coffee break
10:30 - 11:15	Phage therapy and PK/PD: interests and modelling Gregory RESCH (Centre Hospitalier Universitaire Vaudois, Lausanne, Suisse)
11:15 - 11:45	Association of bacteriophages and antibiotics and biofilms Luis MELO (University of Minho, Portugal)
11:45 - 12:30	Phage engineering, Synthetic phages Raphaël LAURENCEAU (Institut Pasteur, Paris, France)
12:30 - 14:00	Lunch

SESSION III	REGULATORY FRAMEWORKS & EUROPEAN EXPERIENCES
14:00 - 14:30	Phages in society: Socio-technical realities Charlotte BRIVES (CNRS UMR 5116, Bordeaux, France)
14:30 - 15:15	Phage therapy in the human clinic: the Georgian experience Mzia KUTATELADZE (G. Eliava Institute of Bacteriophages, Microbiology and Virology, Georgie)
15:15 - 16:00	Phage therapy in the human clinic: the Belgian experience Jean-Paul PIRNAY (Hôpital militaire Reine Astrid, Bruxelles, Belgique)
16:00 - 16:30	Coffee Break
16:30 - 17:15	Phage therapy in the human clinic: the French experience Alexandre BLEIBTREU (APHP, Paris, France)
17:15 - 18:00	Which regulations for phage therapy in Europe for human/vet? To be confirmed
18:00 - 18:45	Round table: Which models of development for phage therapy? Alexandre BLEIBTREU, Frédéric LAURENT, Charlotte BRIVES, Jen-Paul PIRNAY, Mzia KUTATELADZE and Grégory RESCH
18:45 - 19:00	Presentation of the practical workshops
19:30 - 20:15	Cocktail
20:15	Dinner

Vendredi 24 Mai 2024 ■ **Friday May, 24 2024**

06:30 - 08:30	Breakfast
SESSION IV	BACTERIOPHAGES IN ECOSYSTEMS
08:30 - 09:15	Bacteriophages and microbiota Luisa De SORDI (Sorbonne University, Paris, France)
09:15 - 10:00	Phages for biocontrol in agriculture Clara TORRES-BARCELÓ (INRAE, Avignon, France)
10:00 - 10:30	Coffee Break
10:30 - 11:15	Phages in the agri-food industry Claire LE HENAFF (University of Bordeaux, France)
11:15 - 12:00	Round Table: Which place for phages in the One health approach? C. TORRES-BARCELÓ, C. LE HENAFF, F. LAURENT, R. FROISSART, L. DEBARBIEUX and C. BRIVES
12:00 - 14:00	Lunch
14:00	Departure