6th World Conference on Targeting Phage Therapy
June 1-2, 2023 - Paris, France

Agenda

www.phagetherapy-site.com
Program of Targeting Phage Therapy 2023
Day 1 - June 1, 2023

8h00  Welcoming of attendees & Badge Distribution

8h50  Welcome Note of Targeting Phage Therapy 2023:
   Domenico Frezza, University of Roma Tor Vergata, Italy
   Marvin Edeas, INSERM – Institut Cochin, Université de Paris, France

   Session 1 – Phage Therapy: A Glance Throughout the Years
   Chair: Domenico Frezza

9h00  - Challenges and Opportunities for Bacteriophage Therapy
   Martha Clokie, University of Leicester, United Kingdom

9h25  - Phage Therapy: Vision, Gaps and Evolution
   Domenico Frezza, University of Roma Tor Vergata, Italy

9h50  - Bacteriophage Therapy: From Soviet Clinical Experience to Current Activities at the Eliava Institute
   Mzia Kutateladze, Eliava Institute of Bacteriophage, Georgia

   Coffee Break, Networking, Poster & Exhibition Sessions (10h15 – 10h55)

   Session 2 - Phage Therapy in Action: A Glimpse Within the Nations
   Chair: Martha Clokie

11h00  - Historical Reflections of the Trials and Tribulations of Phage Therapy: 1930-1950
   William Summers, Yale University, USA

11h25  - Bacteriophages: It’s a medicine, Jim, but not as we know it
   Jean-Paul Pirnay, Queen Astrid Military Hospital, Belgium

11h50  - Potential of Therapeutic Phages to Combat MDR ESKAPE Pathogens in Developing Nations
   Lilian Musila, U.S. Army Medical Research Directorate, Kenya (online talk)

12h15  - Phage Therapy’s Data Problem, and How to Solve It
   Jessica Sacher, Cofounder of Phage Directory, Australia (online talk)

   Lunch Break, Networking, Poster & Exhibition Sessions (12h40 – 14h00)
   Chairs: Cara Fiore and William Summers

14h00  - Phages in the Medical Research Activity in Poland
   Ryszard Międzybrodzki, Hirszfeld Institute of Immunology and Experimental Therapy PAS, Poland

14h25  - From Patient to Advocate – Introducing Phage Therapy to India
   Pranav Johri, Founder of Vitalis Phage Therapy, India

14h50  - The Use of Bacteriophage Therapy for Complex Bacterial Infections: the PHAGEinLYON Experience
   Tristan Ferry, Hospices Civils de Lyon, France
15h15 - The Use of Bacteriophage Therapy for Difficult-to-Treat Musculoskeletal Infections: the PHAGEFORCE Experience
Jolien Onsea, KU Leuven, Belgium

15h40 - Regulatory Considerations in the Development of Bacteriophage Products for Use in Humans, in the US
Cara Fiore, Food and Drug Administration (FDA), USA

Coffee Break, Networking, Poster & Exhibition Sessions (16h05 – 16h35)

Session 3 – Bacteriophages & Microbiota: On the Way to a Medical Revolution?
Chairs: Mzia Kutateladze and Marvin Edeas

16h35 – Introduction to Bacteriophages & Microbiota: On the Way to a Medical Revolution?
Marvin Edeas, Chairman of The Scientific Committee, Université de Paris, INSERM 1016, Institute Cochin, France

17h00 – Phage-Bacteria Interaction Network in Human Intestinal Tract
Martial Marbouty, Institut Pasteur, France

17h25 - Phage & Microbiota Modulation: Synergistic Role of Phage and Probiotics
Ben Raymond, University of Exeter, United Kingdom

17h50 – Short Oral Presentations

First Report of Bacteriophages for Biocontrol of Escherichia Coli at the North Colombian Coast in Typical Caribbean Cheese (Queso Costeño)
Maryoris Elisa Soto Lopez, Universidad De Córdoba, Colombia

Crack the Wall from Side to Side - Phage Lytic Proteins as Potential Antimicrobials
Sophia Baldysz, Adam Mickiewicz University Poznań, Poland

Proposal for Therapy with Bacteriophages in Former Military Fire Fighters
Raquel De Souza Praia, Escola Superior de Tecnologia, Brazil

Phage Therapy in Post-Covid Rehabilitation
Ekaterina Chemevskaya, Federal Research and Clinical Center of Intensive Care Medicine and Rehabitology, Russia (online talk)

Results of a Study of a Drug for Intravesical Administration Based on Bacteriophages in Patients with Chronic Recurrent Cystitis
Oksana Arefieva, Yevdokimov Moscow State University of Medicine and Dentistry, Russia (online talk)

18h40 – End of Conference Day 1

20h00 – Speakers’ Dinner (reserved for ticket holders)
Program of Targeting Phage Therapy 2023
Day 2 - June 2, 2023

8h00 Welcoming of attendees & Badge Distribution

Session 4 - Bacteriophages Today: Prophylactic & Therapeutic Potential
Chair: Anna Pistocchi

8h30 - Phage-Based Drugs for the Treatment of Biofilm-Associated Infections
Mariagrazia Di Luca, University of Pisa, Italy

8h55 - Combined Therapies of Wound Infections with Phages/MSCs Aggregates
Farzaneh Moghtader, SET Medikal/NanoBMT, Turkey

9h20 - Investigating the Therapeutic Potential of Phages as Antibacterials and Immunomodulators in a Zebrafish Model of Cystic Fibrosis
Anna Pistocchi, Università degli Studi di Milano, Italy

Session 5 - Phage Therapy: Towards Amplification and Innovation
Chairs: Anders S. Nilsson and Jean-Paul Pirnay

9h45 - Safety, Pharmacokinetics, and Antibacterial Activity of AP-PA02 Multi-phage Cocktail in Patients with Cystic Fibrosis and Chronic Pulmonary Pseudomonas aeruginosa Infection (SWARM-P.a. Clinical Trial)
Mina Pastagia, Armata Therapeutics, USA

10h10 - Modern Approaches for Optimizing Therapeutic Phage Preparations
Alexander Sulakvelidze, President and CEO of Intralytix, Inc., USA

Coffee Break, Networking, Poster & Exhibition Sessions (10h35 – 11h05)

11h05 - Therapeutic Monitoring of Phage Therapy
Aleksandra Petrovic Fabijan, Westmead Institute for Medical Research, Australia (online talk)

11h30 - Phage 3.0: Spotlighting the Viral Genosphere for Drug Discovery, Biotechnology, and Novel Biological Functions
Anthony Maresso, TailΦr Labs, Baylor College of Medicine, USA (online talk)

11h55 - Retrospective Outcomes of Personalized Phage Therapy for ESKAPE Pathogen
Austen Terwilliger, TailΦr Labs, Baylor College of Medicine, USA

12h20 - A phase 1b/2a randomized, double-blind, placebo-controlled study evaluating nebulized phage therapy in cystic fibrosis subjects with chronic Pseudomonas aeruginosa pulmonary infection
Iddo Weiner, BiomX Inc., Israel

Lunch Break, Poster & Exhibition Sessions (12h30 – 13h30)

13h30 - Modelling Phage Infection Kinetics with the Cocktail Computer Program
Anders S. Nilsson, Stockholm University, Sweden

13h55 - Phage-Inducible Chromosomal Islands (PICIs): What are they? What can they do?
Rodrigo Ibarra Chavez, University of Copenhagen, Denmark
14h20 – Short Oral Presentations & Innovations: 10 minutes to convince (8 minutes + 2 minutes of discussion)

Creating Patient Ready Products in a Remedy Ready World
Amanda Burkardt, CEO of Phiogen, USA

Implementing GMP Manufacturing for Phage Therapy
Adam Ostrowski, Cellexus, United Kingdom

Enhancing Phage Therapy Safety: Reliable and Sensitive Phage Genome Annotation with RTOOLS2 High-throughput Pipeline
Antoine Culot, Rime Bioinformatics, France

Developing a Rapid Phenotypic Assessment of Phage Susceptibility Using a Nanomotion Technology Platform
Alexander Sturm, Resistell AG, Switzerland

Borrelia Phelix Phage Test: Use of Specific Borrelia Phages as a New Strategy for Improved Diagnostic Tests
Tatjana Mijatovic, R.E.D. Laboratories, Belgium

Comparison of Several Preservation Methods for Long-term Storage of Morphologically Distinct Bacteriophages
Wanqi Huang, Helmholtz Centre Munich, Germany

Catch Me if You Conjugate! Plasmid Recovery from Complex Ecosystems Using Secreted Pilus Machinery as a Hook
Van Hung Vuong Le, University of Copenhagen, Denmark

Coffee Break, Networking, Poster & Exhibition Sessions (15h30 – 16h00)

Phage Therapy Potentiates Second-line Antibiotic Treatment against Pneumonic Plague
Emanuelle Mamroud, Israel Institute for Biological Research, Israel

Bacteriophage-Antibiotic Combination Therapy against Extensively Drug-Resistant Pseudomonas aeruginosa Infection to Allow Liver Transplantation in a Toddler
Brieuc Van Nieuwenhuyse, UC Louvain, Belgium

Formulation of Bacteriophage Cocktails against Multidrug-Resistant Clinical Pseudomonas Aeruginosa Isolates From South India: Implications in Phage Therapy
Geetha Kumar, Amrita University, India

Comparative Genomics and Proteomics Analysis of Novel Phages Infecting Multi-Drug Resistant Escherichia coli O177 Strain
Peter Kotsoana Montso, North-West University, South Africa

Bacteriophages to Treat Urinary Tract Infections: Preliminary Studies against Klebsiella pneumonia
João Duarte, University of Aveiro, Portugal

Bacteriophage Resistance is Associated with Reduced Bacterial Fitness in the Urinary Environment
Jacob Zulk, Baylor College of Medicine, USA

Synergies Between Phage and Antibiotic Therapy on Endotracheal Tube Biofilm
Laia Fernandez Barat, University of Barcelona, Spain (online talk)

17h10 – Discussion & Concluding Remarks
Phage Therapy: What's Next?

17h30 – Awards of Targeting Phage Therapy 2023

17h45 – End of Targeting Phage Therapy 2023