

6th World Conference on

Targeting

Phage Therapy

June 1-2, 2023 - Paris, France

Agenda

PHAGE
THERAPY 2023

m INTERNATIONAL SOCIETY OF
ICROBIOTA

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6th World Conference on Targeting Phage Therapy

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mICROBIOTA

June 1-2, 2023
Paris, France

Speakers 2023



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



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



The Use of Bacteriophage Therapy for Complex Bacterial Infections: the PHAGEinLYON Experience
Ferry Tristan,
Hospices Civils de Lyon, France



Potential of Therapeutic Phages to Combat MDR ESKAPE Pathogens in Developing Nations
Lilian Musila,
U.S. Army Medical Research Directorate, Kenya



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



A Novel Combined Host- and Pathogen-Directed Therapeutic Approach to Fight Infections by MDR- Klebsiella pneumoniae
Naomi Poerio,
University of Rome Tor Vergata, Italy



Phage 3.0: Spotlighting the Viral Genosphere for Drug Discovery, Biotechnology, and Novel Biological Functions
Anthony Maressa,
Tailor Labs, Baylor College of Medicine, USA



The Use of Bacteriophage Therapy for Difficult-to-Treat Musculoskeletal Infections: the PHAGEFORCE Experience
Jolien Onsea,
KU Leuven, Belgium



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



The Regulation of phage therapy applications in humans in the USA
Cara Fiore,
Food and Drug Administration (FDA), USA



Phage-inducible Chromosomal Islands Promote Genetic Variability by Blocking Phage Reproduction
Rodrigo Ibarra Chavez,
University of Copenhagen, Denmark



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



Retrospective outcomes of personalized phage therapy for ESKAPE pathogen
Austen Terwilliger,
Tailor Labs, Baylor College of Medicine, USA



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



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



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



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



Therapeutic Monitoring of Phage Therapy
Aleksandra Petrovic Fabijan,
Westmead Institute for Medical Research, Australia



Phages in the Medical Research Activity in Poland
Ryszard Międzybrodzki,
Hirschfeld Institute of Immunology and Experimental Therapy PAS, Poland



Safety, Pharmacokinetics, and Antibacterial Activity of AP-PA02 Multi-phage Cocktail in Patients with Cystic Fibrosis and Chronic Pulmonary Pseudomonas aeruginosa Infection
Mina Pastagia,
Armata Therapeutics, USA



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



Scaling Phage Therapy, Starting with Phage Australia
Jessica Sacher,
Cofounder of Phage Directory, Australia



Inducing Native Phages From the Human Virome to Address Targeted Infections
David Jernigan,
PhagenCorp, LLC, USA



Phage-based drugs for the treatment of biofilm-associated infections
Mariagrazia Di Luca,
University of Pisa, Italy



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



Novel Computer Program for Modelling Bacteriophage Infection Kinetics
Anders S. Nilsson,
Stockholm University, Sweden

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Program of Targeting Phage Therapy 2023

Day 1 - June 1, 2023

8h00 Welcoming of attendees & Badge Distribution

8h50 **General Introduction 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

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 10h15 – 10h50

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

10h50 - **Historical Reflections of the Trials and Tribulations of Phage Therapy: 1930-1950**
William Summers, Yale University, USA

11h15 - **Potential of Therapeutic Phages to Combat MDR ESKAPE Pathogens in Developing Nations**
Lilian Musila, U.S. Army Medical Research Directorate, Kenya

11h40 - **Bacteriophages: It's a medicine, Jim, but not as we know it**
Jean-Paul Pirnay, Queen Astrid Military Hospital, Belgium

12h05 - **Scaling Phage Therapy, Starting with Phage Australia**
Jessica Sacher, Cofounder of Phage Directory, Australia (online talk)

Lunch Break & Networking 12h30 – 14h00

14h00 - **Phages in the Medical Research Activity in Poland**
Ryszard Międzybrodzki, Hirschfeld 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

Coffee Break & Networking 15h15 – 15h50

15h50 - The Use of Bacteriophage Therapy for Difficult-to-Treat Musculoskeletal Infections: the PHAGEFORCE Experience

Jolien Onsea, KU Leuven, Belgium

16h15 - The Regulation of phage therapy applications in humans in the USA

Cara Fiore, Food and Drug Administration (FDA), USA

Session 3 – Bacteriophages & Microbiota: On the Way to a Medical Revolution?

16h40 – 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

17h05 – Phage-Bacteria Interaction Network in Human Intestinal Tract

Martial Marbouty, Institut Pasteur, France

17h30 – Short Oral Presentations

Adaptive Phagotherapy Algorithms in Treatment and Prevention of Nosocomial Infections in Critically Ill Patients

Artem Kuzovlev, Federal Research and Clinical Center of Intensive Care Medicine and Rehabilitology, Russia

Bactelide™, a Prolonged Release Phage-encapsulated System, for Prevention and Treatment of MDROs, a Phase 1/2 Randomized Clinical Trial

Nancy Tawil, Phagelux, Canada

Comparative Genomics and Proteomics Analysis of Novel Phages Infecting Multi-Drug Resistant *Escherichia Coli* O177 Strain

Peter Kotsoana Montso, North-West University, South Africa

Phage Therapy in Post-Covid Rehabilitation

Ekaterina Chernevskaya, Federal Research and Clinical Center of Intensive Care Medicine and Rehabilitology, Russia

Abstract submission for short oral presentation is open until May 4.

18h30 – End of Conference Day 1

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Program of Targeting Phage Therapy 2023

Day 2 - June 2, 2023

8h55 Opening of the second day

Session 4 - Bacteriophages Today: Prophylactic & Therapeutic Potential

9h00 - A Novel Combined Host- and Pathogen-Directed Therapeutic Approach to Fight Infections by MDR- *Klebsiella pneumoniae*
Noemi Poerio, University of Rome "Tor Vergata", Italy

9h25 - Combined Therapies of Wound Infections with Phages/MSCs Aggregates
Farzaneh Moghtader, SET Medikal/NanoBMT, Turkey

9h50 - Phage-based drugs for the treatment of biofilm-associated infections
Mariagrazia Di Luca, University of Pisa, Italy

Coffee Break & Networking 10h15 – 10h50

10h50 - 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

11h15 - 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

11h40 - Modern Approaches for Optimizing Therapeutic Phage Preparations
Alexander Sulakvelidze, President and CEO of Intralytix, Inc., USA

12h05 - Therapeutic Monitoring of Phage Therapy
Aleksandra Petrovic Fabijan, Westmead Institute for Medical Research, Australia (online talk)

Lunch Break & Networking 12h30 – 14h00

14h00 - Phage 3.0: Spotlighting the Viral Genosphere for Drug Discovery, Biotechnology, and Novel Biological Functions
Anthony Maresso, TailΦr Labs, Baylor College of Medicine, USA

14h25 - Novel Computer Program for Modelling Bacteriophage Infection Kinetics
Anders S. Nilsson, Stockholm University, Sweden

14h50 - Retrospective outcomes of personalized phage therapy for ESKAPE pathogen
Austen Terwilliger, TailΦr Labs, Baylor College of Medicine, USA

Coffee Break & Networking 15h15 – 15h50

15h50 - Inducing Native Phages from the Human Virome to Address Targeted Infections

David Jernigan, PhagenCorp, LLC, USA

16h15 - Phage-Inducible Chromosomal Islands Promote Genetic Variability by Blocking Phage Reproduction

Rodrigo Ibarra Chavez, University of Copenhagen, Denmark

16h40 – Short Oral Presentations & Innovations: 10 minutes to convince

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

Phage Therapy Potentiates Second-line Antibiotic Treatment Against *Pneumonic Plague*

Emanuelle Mamroud, Israel Institute for Biological Research, Israel

Crack the Wall from Side to Side - Phage Lytic Proteins as Potential Antimicrobials

Sophia Baldysz, Adam Mickiewicz University Poznań, Poland

[Abstract submission](#) for short oral presentation is open until May 4.

17h20 – Targeting Phage Therapy 2023: Discussion & Concluding Remarks

17h50 – Awards of Targeting Phage Therapy 2023

18h00 – End of Targeting Phage Therapy 2023

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Abstract Submission