



7th World Conference on

Targeting Phage Therapy

June 20-21, 2024 - Malta



Agenda

PHAGE
THERAPY 2024



INTERNATIONAL SOCIETY OF
ICROBIOTA

www.phagetherapy-site.com

Program of Targeting Phage Therapy 2024

Day 1 - June 20, 2024

8h00 Welcoming of attendees & Badge Distribution

8h50 Welcome Note of Targeting Phage Therapy 2024

9h00 Keynote Speech



Phage Therapeutics 2024: The Critical Role of Translational Research in Clinical Trials

Robert T. Schooley, University of California, San Diego, USA

Session 1 – Phages, Hosts & Microbiome: On the Way to Medical Revolution



9h45 **Evolution and megataxonomy of viruses: the place of phages in the virosphere**

Eugene V Koonin, National Institutes of Health, USA



10h10 **The Phageome in Normal and Inflamed Human Skin**

Wolfgang Weninger, Medical University of Vienna, Austria

Coffee Break, Networking, Poster & Exhibition Sessions (10h35 – 11h25)



11h25 **Phage therapy: Targeting intestinal bacterial microbiota for the treatment of Liver disease**

Jumpei Fujiki, University of California San Diego, USA / Rakuno Gakuen University, Japan



11h50 **Towards efficient phage therapies: investigation of phage / bacteria equilibrium with metagenome of dark matter in natural samples**

Domenico Frezza, University of Roma Tor Vergata, Italy

12h10 - Round table discussion with the Scientific Committee & Speakers: Phages & Microbiome: The Imperative for Establishing a Task Force

Lunch Break, Networking, Poster & Exhibition Sessions (12h30 – 14h00)

Session 2 - Phage Therapy: Emerging Trends and Innovative Approaches



14h00 **Mycobacteriophages and Their Therapeutic Potential**
Graham F. Hatfull, University of Pittsburgh, USA



14h25 **Improving Phages Through Experimental Evolution**
Frederic Bertels, Max Planck Institute for Evolutionary Biology, Germany



14h50 **Addressing Phage Resistance to Enhance the Robustness of Phage Therapy for *Pseudomonas aeruginosa* Infections in People with Cystic Fibrosis**
Federica Briani, University of Milan, Italy



15h15 **Genetic Engineering of Phages to Target Intracellular Bloodstream *E.coli* Infections**
Antonia P. Sagona, University of Warwick, United Kingdom

15h40 – Panel Discussion

Coffee Break, Networking, Poster & Exhibition Sessions (15h55 – 16h30)



16h30 **Cell-Free Production of Personalized Therapeutic Phages Targeting Multidrug-Resistant Bacteria**
Kilian Voge, Invitris, Germany



16h55 **Phage Satellites, a Diversity of Extradimensional Symbionts and Pathways to Phage Therapy**
Rodrigo Ibarra Chavez, University of Copenhagen, Denmark

17h10 – Panel Discussion

17h20 – Short Oral Presentations & Innovations: 10 Minutes Pitch for Industries (4 slots)

18h00 – End of Conference Day 1

20h00 – Speakers' Dinner (reserved for ticket holders)

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Program of Targeting Phage Therapy 2024
Day 2 - June 21, 2024

8h50 Welcoming of attendees & Badge Distribution

Session 3 - Phages Therapy 2024: From Bench to Bedside



9h00 **Developing phage therapy through an evolutionary-medicine lens.**
Paul Turner, Yale University, USA



9h25 **Adaptive Phage Therapy in The Intensive Care Unit: From Science to Patients**
Ekaterina Chernevskaia, Federal Research and Clinical Center of Intensive Care Medicine and Rehabilitology, Russia



9h50 **Phage Therapy: A Glimpse into Clinical Studies Involving Over 150 Cases**
Nannan Wu, Shanghai Public Health Clinical Center, Fudan University, China

10h15 – Panel Discussion

Coffee Break, Networking, Poster & Exhibition Sessions (10h30 – 11h10)



11h10 **Making Antibiotics Great Again: Phage resistance in vivo correlates to resensitvity to antibiotics in pan-resistant *Pseudomonas aeruginosa***
Sabrina Green, KU Leuven, Belgium



11h35 **Quality control of phage Active Pharmaceutical Ingredients (APIs) in Belgium**
Pieter-Jan Ceysens, Sciensano, Belgium

12h00 – Panel Discussion

12h10 – Short Oral Presentations & Innovations (3 slots)

Bacteriophage Genome Annotation: Comparing Automatic and Manual Approaches
Antoine Culot, Rime Bioinformatics, France

Bacteriophage Host Ranges: A Key to the Two Therapy Strategies
Ivan M. Pchelin, Institute of Experimental Medicine, Russia

Lunch Break, Poster & Exhibition Sessions (12h40 – 14h00)

Session 4 - Ethical Considerations and Regulatory Landscape of Phage Therapy: Challenges, Advocacy and Task Forces



14h00 **Regulatory restrictions vs. Human Rights, the Hippocratic oath and the Freedom of therapy– The legal aspect of phage therapy**

Barbara Brenner, Kanzlei BRENNER, Germany



14h25 **Magistral Phage Preparations: Is This the Model for Everyone?**

Jean-Paul Pirnay, Queen Astrid Military Hospital, Belgium

14h50 – Panel Discussion

15h00 – Short Oral Presentations & Innovations (3 slots)

Coffee Break, Networking, Poster & Exhibition Sessions (15h30 – 16h15)

16h15 – Short Oral Presentations & Innovations: 10 Minutes Pitch for Industries (4 slots)

16h55 – Discussion & Concluding Remarks

17h15 – Awards of Targeting Phage Therapy 2024

17h30 – End of Targeting Phage Therapy 2024



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