

PHAGE OPTION 2024 – Scientific Program

DAY 1 - December 4th

	Activity	Time	Language	Format
S1	Introduction and opening of the conference - Martha Vives, Universidad de los Andes	8:30 a. m.	Spanish	In-person
	Antimicrobial Resistance and OneHealth - Pilar Donado, Corporación Colombiana de Investigación Agropecuaria AGROSAVIA	8:50 a. m.	Spanish	In-person
	Bacteriophages, a journey through Time: from discovery to current innovations - Sandra Morales, Phage Consulting	9:10 a. m.	Spanish	In-person
	Experience and activities of Eliava Institute in bacteriophage research - Mzia Kutateladze, Eliava Institute of Bacteriophage Research	9:30 a. m.	English	Live virtual
Coffee break		10:00 a. m.		
Early Research Therapy and Clinical Application Perspective				
S2	From petri dish to patient: Mycobacteriophages and their therapeutic potential, Graham Hatfull, University of Pittsburgh	10:30 a. m.	English	In-person
	Bacteriophages: Innovative strategy to combat bacterial resistance from a One Health perspective - Dr. Judy Natalia Jimenez, Universidad de Antioquia	11:30 a. m.	Spanish	In-person
	Challenges for the use of phage therapy in Colombia - Juan Pablo Londoño, Clínica Infantil Colsubsidio, Hospital Universitario Mayor Méderi	12:00 p. m.	Spanish	Live virtual
	Eliava Phage Therapy Center: interesting cases of phage application at the Eliava Phage Therapy Center - Mariam Dadiani, Eliava Phage Therapy Center	12:30 p. m.	English	Live virtual
Lunch		1:00 pm-2:00pm		
The Ecology of Infection: Exploring Virus-Host Interactions and Phage Evolution				
S3	Expanded host range of <i>Pseudomonas aeruginosa</i> lytic bacteriophages by traditional phage isolation and evolution - Layla Farage Martins Universidad de São Paulo	2:00 p. m.	English	In-person
	Phages produce persisters - Daniel Huelgas Méndez Universidad Nacional Autónoma de México	2:20 p. m.	Spanish	In-person

	Isolation and characterization of bacteriophages from antarctic marine environments - Roberto Bastías, Pontificia Universidad Católica de Valparaíso	2:40 p. m.	Spanish	In-person
Coffee break & Poster Session		3:00 PM-4:00 p.m.		
Bacteriophages and the Immune System: Understanding Host-Phage Interactions				
S4	Transfer of intestinal Phageome to the blood and its regulation by the Immune System - Krystyna Dabrowska	4:00 p. m.	English	In-person
	The potential of <i>Cutibacterium acnes</i> phages as a therapy for acne: beyond bacterial lysis - Juan Camilo Farfán, Universidad de los Andes	5:00-5:30 p. m.	Spanish	In-person
	Welcome ceremony	6:00 p. m.		
DAY 2 - December 5th				
The Role of Bioinformatics in Advancing Phage Therapy				
S5	Harnessing bioinformatics for modern phage therapy: insights from viral taxonomy - Prof Alejandro Reyes, Universidad de los Andes	9:00 a. m.	Spanish	In-person
	AI-Driven Multilingual Lab information management systems for phage research: handling research papers, Biobank databases, and grant collaborations - Jan Zheng, Phage Directory	9:50 a. m.	English	In-person
	Exploring new Frontiers in Obesity Treatment Through Gut Microbiota Modulation - Sthefhany Nohemí Rodríguez Arellano, Centro de Investigación en Alimentación y Desarrollo	10:10 a.m.	Spanish	In-person
Coffee break		10:30 a. m.		
The Clinical Frontier of Phage Therapy: From Experimental Use to Standard Care - Part 1				
S6	Modern approaches for optimizing therapeutic phage preparations and clinical use- Alexander Sulakvelidze, Intralytix	11:00 a. m.	English	In-person
	Phase 2b study for safety and efficacy of bacteriophage TP-102 in diabetic foot infection - Sofia Corte-Real, Technophage	12:00 p. m.	English	In-person
Lunch		1:00 pm-2:00pm		
The Clinical Frontier of Phage Therapy: From Experimental Use to Standard Care - Part 2				
S7	Development of durable Bacteriophage Cocktails as Novel Antimicrobials for Multidrug-Resistant <i>Pseudomonas aeruginosa</i> Infections - Mikeljon Nikolich, Walter Reed Army Institute of Research	2:00 p. m.	English	In-person
	Compassionate Use 101: Our U.S. Experience - Gina Suh, Mayo Clinic	3:00 p. m.	English	Live virtual
	A Bacteriophage Platform for the Treatment and Prevention of Bacterial Infections in Humans - Gregorio Iraola, Kinzbio	3:30 p. m.	Spanish	In-person
Coffee break & Poster Session		4:00 p.m.		

Phage Applications in Diagnostics				
S8	Reporter Bacteriophages for rapid TB diagnosis and screening of anti-tubercular drugs - Mariana Piuri, Investigadora Independiente de CONICET. Profesora Asociada, Departamento de Química Biológica, FCEN, UBA	5:00 p. m.	Spanish	In-person
	Using Bacterial Impedance to Test Phage Susceptibility for Fast Infection Profiling - Libby Duignan University of Liverpool	5:40- 6:00 p.m.	English	In-person
DAY 3 - December 6th				
Quality, Consistency, and Scale: The Manufacturing Journey for Phage Therapy				
S9	Bacteriophage production for various applications from R&D to commercial scale - Frenk Smrekar, Jafra	9:00 a. m.	English	Live virtual
	The Non-clinical development of Phage Product: How to make sure that you have the phage that you think you do! Bob Blasdel, Vésale	9:25 a. m.	English	In-person
	TBC, Sartorius	9:50 a.m	Spanish	In-person
	Coffee break	10:00 a. m.		
Ensuring Safe and Effective Phage Therapies: Regulatory Insights and Public Engagement				
S10	How the FDA Regulates Phage Therapy Products for Human Use - Susan Lehman, FDA	10:30 a. m.	English	In-person
	From Phage hunts to Patient cures: what works, what doesn't and what's next - Jessica Sacher, Phage Directory	11:00 a.m.	English	In-person
Phage Therapy in Focus: Tackling the Complexities of Bringing Phages to the market				
S11	Discussion Panel: Susan Lehman, Bob Blasdel, Sara Zoca, Jessica Sacher, Sofia Corte-Real, Yamile Bustos	11:30 a. m.	English	In-person
	Lunch	12:30 p.m.		
Phages as Biocontrol Agents: Revolutionizing Agricultural Practices				
S12	Phage-based control of bacterial pathogens in environmental and food processing settings - Alexander Sulakvelidze, Intralytix	1:30 p. m.	English	In-person
	Adaptable phage solutions: an Aotearoa-NZ platform for precision biocontrol for primary industries -Peter Fineran, University of Otago	2:00 p. m.	English	Pre-recorded virtual
	Impact of bacteriophages on animal health: Success stories in poultry and aquaculture- Santiago Hernandez Villamizar, SciPhage	2:30 p. m.	Spanish	In-person
	Use of Bacteriophages as a Biocontrol Strategy for <i>Pseudomonas syringae</i> During Cherry Blossom in Chile - Julio Retamales, Exacta Bioscience SpA	3:00 p. m.	Spanish	In-person
	Poster Prizes - Closing Ceremony	3:30- 4:00 p. m.		
	End of conference networking event	8:00 p. m.		