

Phages: From Basic Discoveries to Clinical Applications (9–10 March)

Atrium, Karolinska Institutet, Nobels väg 12B, 171 65 Solna

9th March

- 09:30–10:00** *Arrival and coffee*
- 10:00–11:00** Martha Clokie (University of Leicester)
From phage banks to bedside; getting closer to clinical phage therapy
- 11:00–11:30** Rafael Pinilla-Redondo (University of Copenhagen)
Exploring the co-evolutionary arms race between bacteria and bacteriophages
- 11:30–12:00** Gemma Atkinson (Lund University)
Mining Diversity Hotspots to Discover New Phage-vs-Phage Immune Systems
- 12:00–13:00** *Lunch*
Outside Andreas Vesalius room at Berzeliusvägen 3
- 13:00–13:15** Vicent Pelechano (SciLifeLab)
Genomic dissection of co-translational mRNA decay, from decay to diagnosis
- 13:15–13:30** Honglian Liu (SciLifeLab)
A streamlined nanopore-compatible 5PSeq protocol for rapid phenotypic antimicrobial sensitivity testing
- 13:30–14:00** Anni-Maria Örmälä-Tiznado (Karolinska Institutet)
Phage–Antibiotic Combination Therapy Against Multidrug-Resistant Gram-Negative Bacteria: From In Vitro Interaction Mapping to In Vivo Validation
- 14:00–14:30** Federico Iovino (Karolinska Institutet)
Bacteriophage-derived endolysins to fight antibiotic-resistant bacterial infections of the brain
- 14:30–15:00** *Coffee break*
- 15:00–15:30** Yuping Li (Biozentrum)
Mechanistic study of the jumbo phage killer immune systems and its implications for jumbo phages
- 15:30–15:45** David Parker (SciLifeLab)
D29 Hijacks Host-Transcription Machinery by Highly Conserved Sigma-K Factor
- 15:45–16:00** Doyeon Kim (SciLifeLab)
Genome-wide CRISPRi screening identifies genetic determinants of phage–host interactions in Mycobacterium smegmatis
- 16:00–16:15** Sheetal Patpatia (Karolinska Hospital)
Phage and Antimicrobial Strategies Against S. aureus Isolated from Swedish Patients with Orthopedic Infections

16:15–16:30 Ellin Loo (Karolinska Hospital)
Phage antibiotic combination - from bench to bedside

10th March

09:30–10:00 *Coffee*

10:00–11:00 Jean-Paul Pirnay (Queen Astrid Military Hospital)
The Magistral Phage

11:00–11:30 Gregory Resch (University of Lausanne)
PhagoCHUV- The Lausanne University Hospital phage therapy program

11:30–12:00 Christian Giske (Karolinska Hospital)
Phage therapy as standard-of-care treatment - what are the missing pieces of the puzzle

12:00–12:30 **Final Joint Roundtable**
Clokic, Pirnay, Resch, Giske
What it will take to move phage therapy beyond compassionate use?