Session Program

5–7 Oct 2026

2026 International SPP 2330 Symposium Berlin

Poster-Session

Harnack-Haus
Ihnestr. 16-20, 14195 Berlin

Monday 5 October

20:30

Poster-Session

Session | **Location:** Harnack Haus, Meitner-Saal I + II

20:30–20:31

Poster #2: ASO-Mediated mRNA Silencing Reveals a Link Between Tail Assembly and Genome Packaging in Phage ΦKZ

Speaker
Mr Leandro Buhlmann

20:31–20:32

Poster #5: The impact of chronic viral infection on archaeal cell morphology

Speaker
Hanna Martin

20:33–20:34

Poster #9: A prophage-encoded anti-phage defence system that prevents phage DNA packaging by targeting the terminase complex

Speaker
Nadejda Sigal

20:34–20:35

Poster #11: Protein fusion analysis reveals new phage sponges

Speaker
Romi Hadary

20:35–20:36

Poster #12: Phage Fitness Landscapes and Butterfly Effects in Evolving Phage Populations

Speaker
Prof. Sebastian Leptihn

20:36–20:37

Poster #13: Interbacterial competition triggers stress-induced CRISPR immunity against bacteriophages

Speaker
Dr Wenlong Zhu

20:37–20:38

Poster #14: Molecular mechanisms of the synergistic interactions of Druantia III and ARMADA II in the antiphage defense of enterohaemorrhagic Escherichia coli strain EDL933

Speaker
Huihui Li

20:38–20:39

Poster #15: Guide amplification bootstraps immune specificity in a bacterial Argonaute

Speaker
Jack Bravo

20:39–20:40
Poster #18: Decoding the phage unknome with protein language models

Speaker
Dr Maik Wolfram-Schauerte

20:40–20:41
Poster #19: Hidden Functional Diversity among Type V-A CRISPR Effectors

Speaker
Oleg Dmytrenko

20:41–20:42
Poster #20: RNAylation as a Potential Modulator of Translation in bacteriophage T4 Infection of Escherichia coli

Speaker
Lydia Garrido García-Dorado

20:42–20:43
Poster #21: Insights into plasmid elimination by a pAgo guided anti plasmid immune system

Speaker
Kathrin Froschauer

20:43–20:44
Poster #24: Temperate versus virulent phage lifestyle impacts microdiversity in soil environments

Speaker
Anne Kupczok

20:44–20:45 **Poster #26: The Z-Project: Expanding the Bacteriophage Toolbox**

Speaker
Clara Rolland

20:45–20:46
Poster #28: Domain swapping reveals deep conservation of death-domain immune signaling

Speaker
Gideon Cummings

20:46–20:47
Poster #29: Living together: molecular mechanisms of phage-bacterial coexistence in the gut

Speaker
Rodrigo Sanchez Martinez

20:47–20:48
Poster #30: Phage-encoded single-guide RNAs subvert CRISPR-Cas9 immunity

Speaker
Maximilian Feussner

20:48–20:49
Poster #31: tRNA epitranscriptome plasticity optimizes phage infection in E. coli

Speaker
Luis Rivera-Montero

20:49–20:50
Poster #32: Mechanism of activation of the defense-associated reverse transcriptase DRT4 by a phage single-stranded DNA-binding protein

Speaker
Patrick Pausch

20:50–20:51
Poster #33: Gasdermin-mediated phage defense as a model for intercellular immune signaling in Streptomyces

Speaker
Tal Livny

20:51–20:52
Poster #35: Identification of host factors involved in cystovirus replication

Speaker
Ms Aatreyi Roy

20:52–20:53
Poster #37: Unveiling the regulatory landscape of the double-stranded RNA phage φ6 using ribosome profiling

Speaker
Manuel Velasco Gomariz

20:53–20:54
Poster #38: Establishment of phage-based biocontrol strategies against phytopathogens for sustainable plant disease management

Speaker
Ms Swati Sharma

20:54–20:55
Poster #39: Novel insight into the infection and egress dynamics of an Inovirus in Shewanella oneidensis MR-1

Speaker
Dorian Fischer

20:55–20:56
Poster #40: The temporal regulation of crAss-like phage phi14:2 vRNAP across its transcription cycle

Speaker
Junchao Cheng

20:56–20:57
Poster #41: pDolos: A plasmid-based phage satellite of the Shewanella inovirus Dolos

Speaker
Daniel Gohlus

20:57–20:58
Poster #42: Spatial regulation of bacterial antiphage defense systems within biofilms

Speaker
Dr Shazeb Ahmad

20:58–20:59
Poster #45: Regulation of Transcription by Jumbo Phage AR9 Encoding Two Multisubunit RNA Polymerases

Speaker
Bhavna Menon

20:59–21:00
Poster #46: Pyocin-Mediated Growth Suppression and Bacterial Regrowth Dynamics

Speaker
Belinda Loh

21:00–21:01
Poster #47: Phage-encoded ribosome-targeting factors in bacterial takeover

Speaker
Fatoumata Sow

21:01–21:02
Poster #48: Quantitative and Biophysical Analysis of Phage-Induced Outer Membrane Vesicles in Salmonella

Speaker
Shirin Aminian

21:02–21:03
Poster #49: Drivers and Constraints of Prophage Persistence in Natural Communities

Speaker
Karina Krammer

21:03–21:04
Poster #50: The permanent replication cycle potential in Chimalliviridae

Speaker
Milena Dziomba

21:04–21:05
Poster #51: The role of the phage encoded auxiliary metabolic gene pebS during the infection of marine cyanobacteria

Speaker
Nina Bäuerle

21:05–21:06
Poster #52: Systematic studies of bacteriophage confinement in glycan-based biofilms of Erwinia amylovora

Speaker
Antonia Nowicki

21:06–21:07
Poster #53: DNA loaded outer membrane vesicles after bacteriophage treatment

Speaker
Hannah-Maria Monks

21:07–21:08

Poster #55: Dissecting antiviral defense systems in Actinobacteria – from single cells to the community level

Speaker
Patricia Blum

21:08–21:09

Poster #56: Stepwise R-Loop Unwinding and Cas3-Mediated Target Degradation in a Multiprotein CRISPR– Cas System

Speaker
Dr Inga Songailiene

21:09–21:10

Poster #59: Sulfate-Reducing Bacteria and Their Viral Fingerprints in the Gut Microbiome: Uncovering Adaptation and Disease Markers in Inflammatory Bowel Disease

Speaker
Anna Penzkofer

21:10–21:11

Poster #60: Antibiotics and diet modulate phage-bacteria interactions in the gut microbiome

Speaker
Chloé Feltin

21:11–21:12

Poster #61: Towards the human gut microbiome: expanding phage-plasmid detection with tyPPing

Speaker
KARINA ILCHENKO

21:12–21:13

Poster #62: Phage P2-encoded Orf30 protein as a novel regulator of virion formation

Speaker
Claudia Campobasso

21:13–21:14

Poster #63: Differences in regulatory genes drive divergent evolutionary outcomes under phage challenge

Speaker
Ariel Morales Araujo

21:14–21:15

Poster #65: Fun/Z is an abortive immunity system related to archaeal and eukaryotic replication component

Speakers
Mr Artem Isaev, Olha Dorozh

21:15–21:16

Poster #66: Tin: A Minimalist Abortive PD-(D/E)XK Nuclease Fusing Sensor and Effector Functions for Anti-Phage Defense

Speaker
Anton Derzhaev

21:16–21:17

Poster #67: Need for speed: early lysogen formation following rapid lysis drives temperate phage persistence

Speaker
Lavisha Parab

21:17–21:18

Poster #69: Characterization of a new NAD+-processing domain involved in antiphage defense and shared across the tree of life

Speaker
Wendy LE MOUELLIC

21:18–21:19

Poster #70: Exploring potential mechanisms of programmed cell death in Legionella phage defense: Interplay of NAD(H) depletion and the effector phospholipase PlaB

Speaker
Markosovo Marjaya

21:19–21:20

Poster #71: New insights into the Mrr-domain-associated prokaryotic Argonaute systems SPARMA and SPARMTA

Speaker
Balwina Koopal

21:20–21:21

Poster #72: Investigating the mechanism of mRNA export from the early phage infection compartment of jumbo phage PhiKZ

Speaker
Dr Shafagh Moradian

21:21–21:22

Poster #73: Deoxydinucleotides are potential mediators of bacteria–phage interactions

Speaker
Sofia Mortensen

21:22–21:23

Poster #75: Who starts, who follows: reading assembly grammar in bacterial and metazoan death domains

Speaker
Finn Lobnow

21:23–21:24

Poster #76: Regulation of the lysis-lysogeny switch in temperate actinobacteriophages of Corynebacterium glutamicum ATCC 13032

Speaker
Samy Mechrouki

21:25–21:26

Poster #78: Adaptive trajectories of bacteriophages: Evolutionary dynamics across contrasting environments

Speaker
Thea Brunsch

21:26–21:27

Poster #80: 3D spatial analysis of fluorescence foci from z-stack microscopy using cell reconstruction

Speaker
Lasse Hallenga

21:27–21:28

Poster #82: Too Early or Too Late? Trade-Offs in the Timing and Specificity of Bacterial Defence Systems Against Mobile Genetic Elements

Speaker
Paritosh Bedekar

21:28–21:29

Poster #83: Multicellular defense in Streptomyces: a collective shield against phage predation

Speaker
Moses Kabuu

21:29–21:30

Poster #84: Systematic characterization of prophage integration sites in Staphylococci

Speaker
Ms Neysa Rodriguez-Murillo

21:30–21:31

Poster #86: A widespread protein family inhibits both restriction-modification and CRISPR-Cas defenses

Speaker
Thomas Gaudin

21:31–21:32

Poster #87: Transcriptional Reprogramming by Cyanophage Syn9: Investigating Host–Phage Interactions in Synechococcus WH8109

Speaker
Caroline Jelen

21:32–21:33 **Poster #88: Characterization of the Methanosarcina Spherical Virus**

Speaker
Tim Hoff

21:33–21:34

Poster #93: The role of phage Thanatos ADP-ribosyl-transferases Alt1 and Alt2 in disarming and preparing the host

Speaker
Alina Kemmler

21:34–21:35 **Poster #94: The role of phages in microbial communities**

Speaker
Gisela T. Rodríguez-Sánchez

21:35–21:36
Poster #95: Universal host contaminant protein identification and quantification for any production host by LC-MS/MS

Speaker
Florian Sigloch

21:36–21:37
Poster #96: Structural and functional characterisation of a membrane associated anti-phage defence system

Speaker
Nicole Rutbeek

21:37–21:38
Poster #97: Cryo-EM structure of the Escherichia coli siphophage Bas24

Speaker
Ms Migle Sarpilo

21:38–21:39 **Poster #98: Exploring flagellotropic phage adsorption by cryoEM**

Speaker
James Hodgkinson-Bean

21:39–21:40
Poster #99: A diverged ubiquitination pathway mediates antiviral defense in bacteria

Speaker
Marta Siborova

21:40–21:41
Poster #100: Balancing of immune activation and suppression by N4-like Pseudomonas aeruginosa phages.

Speaker
Iana Fedorova

21:41–21:42
Poster #102: Exploring auxiliary metabolic genes (AMGs) from cyanophage Syn9

Speaker
Miguel Fernandez

21:42–21:43
Poster #107: An Lsr2-like Xenogeneic Silencer Confers Immunity Against AT-Rich Bacteriophage Infection

Speaker
Biel Badia Roigé

21:44–21:45
Poster #122: Zorya-mediated defence results in distinct cellular outcomes following phage infection

Speaker
Adhvaidhi Kuntran

21:45–21:46

Poster #123: ATP-dependent oligomerization triggers tRNA degradation by Schlafen-fused prokaryotic Argonaute proteins

Speaker
Thomson Hallmark

22:30