Session Program

5–7 Oct 2026

2026 International SPP 2330 Symposium Berlin

Novel anti-viral defence systems

Harnack-Haus
Ihnestr. 16-20, 14195 Berlin

Tuesday 6 October

14:00

Novel anti-viral defence systems: Part 1

Session | **Location:** Harnack-Haus, Goethe-Saal

14:00–14:30

Phage-induced membrane remodelling is a vulnerability targeted by bacterial immunity

Speaker
Karen Maxwell

14:30–14:45 **ApeA cleaves genomic RNA to defend against RNA phage infection**

Speaker
Jens Hör

14:45–15:00

Deoxydinucleotides activate the bacterial anti-phage defense system ApeA

Speaker
Jonas Juozapaitis

15:00–15:20 **Bacterial multicellular behaviour in antiviral defense**

Speaker
Julia Frunzke

15:20–15:40

Using LC-MS/MS for identification and quantification of host contaminant protein during phage production

Speaker
Stefan Miller

15:40

16:10

Novel anti-viral defence systems: Part 2

Session | **Location:** Harnack-Haus, Goethe-Saal

16:10–16:40 **Horizontal Gene Transfer Shapes Bacterial Defense in Vibrio cholerae**

Speaker
Prof. Melanie Blokesch

16:40–17:00 **Sulfonamide antibiotic rescues bacteria from phage-induced collapse**

Speaker
Juliana Geromiller

17:00–17:20

Zorya-mediated defence results in distinct cellular outcomes following phage infection

Speaker
Ms Adhvaidhi Kuntran

17:20–17:35 **Hidden Functional Diversity among Type V-A CRISPR Effectors**

Speaker
Oleg Dmytrenko

17:35–18:05 **From genetic conflicts to molecular innovation**

Speaker
Sanne Klompe

18:05

Wednesday 7 October

09:00

Novel anti-viral defence systems: Part 3

Session | **Location:** Harnack-Haus, Goethe-Saal

09:00–09:30 **Diverse responses of an archaeal CBASS**

Speaker
Uri Gophna

09:30–09:50 **The ancient evolution of gasdermin-mediated immunity**

Speaker
Tanita Wein

09:50–10:10
Dozens of phage proteins block retron defense by targeting its toxicity on the ribosome

Speaker
Federico Corona

10:10–10:40 **Bacteria-inspired exploration of immune functions in eukaryotes**

Speaker
Rotem Sorek

10:40

11:10

Novel anti-viral defence systems: Part 4

Session | **Location:** Harnack-Haus, Goethe-Saal

11:10–11:25 **A novel signaling system originating from a core metabolic enzyme**

Speaker
Dr Anna Kanevskaya

11:25–11:45
Hidden Amun defensive proteins within defense islands broaden protectivity against phage families

Speaker
Dr Marcel Sprenger

11:45–12:05
A compact Druantia defense clears phage infections via single-stranded DNA recognition and directional duplex unwinding

Speaker
Thomas Gaudin

12:05–12:20
Processing of forked DNA activates a helicase-nuclease immune system

Speaker
Luuk Loeff

12:20