

Grad School Day of the Interfaculty Graduate School of Infection Biology and Microbiology (IGIM)

We cordially invite you to our Grad School Day of the Winter-Semester 2023-2024
Friday: March 15, 2024, 1pm, N11 (Auf der Morgenstelle 3)

- 13:00 – 13:20** **Janina Bayer, IMIT, AG Wolz**
Staphylococcus aureus pore-forming toxin LukAB is essential to induce cell-death from within macrophages
- 13:20 – 14:00** **Key Note Speaker**
Ana Rita Brochado, Assistant Professor, Systems Biology of Antibiotics, CMFI, IMIT, Tübingen
Systems biology of antibiotics
- 14:00 – 14:20** **Sophie Schminke, IMIT, AG Wagner**
Surviving unknown waters: The journey of *Salmonella*'s integral membrane effector proteins SseF and SseG into eukaryotic membranes
- 14:20 – 14:40** **General information about the IGIM and re-election of Doctoral Students Representatives**
- 14:40 – 15:10** **Coffee-Break**
- 15:10 – 15:30** **Janes Krusche, IMIT, AG Peschel**
Predicting phage infection in *Staphylococcus aureus* with receptor-binding proteins
- 15:30 – 15:50** **Mirko Sonntag, In vitro Diagnostik, Fraunhofer IGB**
SUPSETS - Suppression PCR-based selective target sequencing for pathogen and antimicrobial resistance detection on cell-free DNA in sepsis
- 15:50 – 16:10** **Alina Blitzler, IMIT, AG Heilbronner**
Understanding and exploiting nasal community interactions to displace *Staphylococcus aureus*
- 16:10 – 16:30** **Monja Schmid, ZMBP, AG Kemen**
Intrinsic disorder in the secretome of a plant pathogen - correlating protein disorder with amyloid formation and antimicrobial activity

Chairs: Elena Hagelauer & Johanna Leyens (AG Schindler, Medical Virology)

