

**6th IGIM Summer School “Microbes, Host & Infection”
Bad Boll 10.06. – 12.06.2024**

Monday, 10.06.2024

10:30	Bus departure from Tübingen to Bad Boll (Auf der Morgenstelle 3)
12:00 – 13:00	Arrival at Evangelische Akademie Bad Boll and Lunch (Symposium)
13:00 – 14:00	Registration Summer-School and occupations of rooms
14:00 – 14:05	Welcome: Samuel Wagner (Festsaal)
14:05 – 17:30	Session 1: CMFI Session (Festsaal) Chair: Sylvia Schlaich and Sarah Akinci
14:05 – 14:50	Marianne Grognot (Institute of Medical Microbiology, RWTH Aachen) Just keep swimming: a quantitative dive into bacterial motility
14:50 – 15:10	Lara Berg (AG Maier) Systematically investigating the interactions between the gut microbiome and psychotropic drugs
15:10 – 15:30	Johanna Dürrwald (AG Schindler) Characterization of C10 – a broadly acting flavivirus capsid inhibitor
15:30 – 15:45	Coffee-Break (Café Heuss)
15:45 – 16:30	Andreas Diepold (Max Planck Institute for Terrestrial Microbiology, Marburg) The bacterial type III secretion system: A dynamic and adaptive nanomachine at the host-pathogen interface
16:30 – 16:50	Julio César Sánchez-Rendón (AG Bastounis) Apical shear stress impacts cell dynamics, kinematics and transcriptomic profile of the different endothelia cell types
16:50 – 17:10	Jens Mößner (AG Peschel) Pulcherriminic acid: a long-known compound exhibits a novel mode of action in the human nose
17:10 – 17:30	Eunjin Kim (AG Wagner) Quality control mechanisms in the type III secretion system export apparatus assembly
18:00	Dinner (Symposium)
19:00 – 21:00	Poster Session + Beverages

Tuesday, 11.06.2024

7:30 – 9:00	Breakfast (Symposium)
9:00 – 11:25	Session 2: IGIM-Session (Festsaal) Chair: Lara Hundsdorfer and Erva Keskin
9:00 – 9:45	Silja Mordhorst (University of Tübingen, Pharmaceutical Biology) Exploring natural products for new bioactive compounds as drugs and pesticides
9:45 – 10:05	Lukas Schulze (AG Peschel) A novel, commensal derived, three-peptide antimicrobial to combat <i>Staphylococcus aureus</i>
10:05 – 10:25	Monja Schmid (AG Kemen) Intrinsic disorder in the secretome of a plant pathogen is functionally relevant for microbial interactions
10:25 – 10:45	Coffee-Break (Café Heuss)
10:45 – 11:05	Erva Keskin (AG Bastounis) Apically applied fluid shear flow is vasoprotective, decreasing the susceptibility of endothelial cells to infection with <i>Listeria monocytogenes</i>
11:05 – 11:25	Elena Hagelauer (AG Schindler) Immuno-modulatory role and biogenesis pathways of viral glycoprotein-containing extracellular vesicles
11:30 – 13:00	Round table discussions on methodological questions
13:00 – 14:00	Lunch (Symposium)
14:15 – 15:45	Poster Session
15:45 – 16:05	Coffee-Break (Café Heuss)
16:15 – 18:30	Social Program
19:00	Dinner and Get together

Wednesday, 12.06.2024

7:30 – 9:00	Breakfast
9:00 – 11:45	Session 3: DZIF session Chair: Sibgha Tayyab and NN
9:00 – 9:45	Holger Rohde (UKE, Hamburg) Roads to invasive disease: the molecular basis of opportunistic pathogenicity in <i>Staphylococcus epidermidis</i>
9:45 – 10:05	Macqueen N. Mbencho (AG Velavan) High anti-HBc positivity and low risk of occult hepatitis B virus infection in Cameroonian blood donors
10:05 – 10:25	Jacqueline Wistuba-Hambrecht (AG Pfeifer) Proceeding malaria vaccine efficacy based on antibody profiles
10:25 – 10:50	Coffee-Break (Café Heuss)
10:50 – 11:10	Ahmed Elsherbini (AG Krismer) Insights into the diversity and fitness of the potential nasal probiotic <i>Corynebacterium accolens</i>
11:10 – 11:30	Lara Kränkel (AG C. Slavetinsky) Invasive <i>Staphylococcus capitis</i> isolates from neonatal sepsis specified to oppose colonizers and resist antibiotics of last resort and human intestinal immunity
11:30 – 11:45	Awards and farewell
12:00 – 13:00	Lunch (Symposium)
13:30	Bus departure to Tübingen