

**5<sup>th</sup> International IGIM Summer School “Microbes, Host & Infection”  
Tübingen + Bad Boll 05.07. – 08.07.2022**

**Tuesday, 05.07.2022 Tübingen**

16:00 – 17:30	Guided City Tour
18:00 – 19:00	Punting tour on the river Neckar

**Wednesday, 06.07.2022 Bad Boll**

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
13:00 – 14:00	Registration Summer-School and occupations of rooms
14:00 – 14:05	Welcome: Samuel Wagner (Festsaal)
<b>14:05 – 17:10</b>	<b>Session 1: CMFI Session</b> Chair: Janes Krusche, Naisa Vetter
14:05 – 14:50	<b>Dr. Konstantin Sparrer (University Hospital Ulm, Molecular Virology)</b> Interfering with interferons: How viruses and hosts keep innate immunity in check
14:50 – 15:10	<b>Tina Melanie Rehm (AG Stubenrauch)</b> Restriction of viral gene expression and replication prevents immortalization of human keratinocytes by a beta-human papillomavirus
15:10 – 15:30	<b>Andreas Vorbach (AG Brötz-Oesterhelt)</b> Effect of synthetic PPAP antibiotics on human cell lines HL-60 and A549
15:30 – 15:45	Coffee-Break
15:45 – 16:05	<b>Lucas Dupuis (LISM &amp; BIP, Marseille)</b> Copper tolerance systems in <i>Pseudomonas aeruginosa</i> : role in defense against phagocytosis
16:05 – 16:25	<b>Christian Beck (AG Peschel)</b> Identification of a novel <i>Staphylococcus epidermidis</i> bacteriophage receptor
16:25 – 17:10	<b>Dr. Jan Schuller (Philipps University Marburg, Synmikro)</b> Molecular basis of CO <sub>2</sub> fixation and energy conservation at the thermodynamic limit of life
18:00	<b>Dinner</b>
19:00 – 21:00	<b>Poster Session + Beverages</b>

### Thursday, 07.07.2022 Bad Boll

7:30 – 9:00	<b>Breakfast</b>
<b>9:00 – 11:25</b>	<b>Session 2: IGIM-Session</b> Chair: Ole Eggers, Julia Schumacher
9:00 – 9:45	<b>Dr. Kristina Jonas (University of Stockholm, Department of Molecular Bioscience)</b> To divide or not to divide - Environmental control of bacterial cell cycle decisions
9:45 – 10:05	<b>Linkon Paul (AG Muth)</b> Visualization of plasmid migration within the <i>Streptomyces mycelium</i> by time lapse imaging
10:05 – 10:25	<b>Nicola Gericke (AG Wagner)</b> Functional dissection of the transport process during glycopeptide antibiotic secretion
10:25 – 10:45	Coffee-Break
10:45 – 11:05	<b>Athina Gavriilidou (AG Ziemert)</b> Adaptation strategies of glycopeptide producers
11:05 – 11:25	<b>Dardan Beqaj (AG Stegmann)</b> Spatial and temporal cellular assembly of the glycopeptide biosynthetic complex
11:30 – 13:00	<b>Round table</b>
13:00 – 14:00	Lunch
14:15 – 16:15	<b>Poster Session</b>
16:45 – 18:45	<b>Social Program</b>
19:00	<b>Barbecue</b>

### Friday, 08.07.2022 Bad Boll

7:30 – 9:00	Breakfast
<b>9:00 – 11:30</b>	<b>Session 3: CIVIS Session</b> Chair: Janette Alford, Lena Mitousis
9:00 – 9:45	<b>Dr. Silvia Portugal (Max Planck Institute for Infection Biology, Berlin)</b> Road to persistence: How <i>Plasmodium falciparum</i> survives the dry season
9:45 – 10:05	<b>Patrick Bryant (AG Elofsson, Stockholm University, Stockholm)</b> Structure prediction of Host-Pathogen protein-protein interactions
10:05 – 10:25	<b>Tonia Dargham (AG Canaan, CNRS, Marseille)</b> Selection of new therapeutic targets in relation with lipid metabolism of <i>Mycobacterium abscessus</i>

10:25 – 10:50	Coffee-Break
10:50 – 11:10	<b>Elisa Liebhart</b> (AG Brötz-Oesterhelt) Identification and characterization of ClpP targeting molecules
11:10 – 11:30	<b>Andrea Salzer</b> (AG Wolz) Cell death during nutrient starvation in <i>Staphylococcus aureus</i> cells lacking (p)ppGpp is linked to disturbed GTP homeostasis
11:30 – 11:45	<b>Awards and farewell</b>
12:00 – 13:00	Lunch
13:30	Bus departure to Tübingen (Auf der Morgenstelle 3) via Tübingen station