



# Microbiology and Infection Day 2022

## Program

Venue: Institute for Tropical Medicine, Wilhelmstr. 27  
Lecture Hall

### Friday, 07.10.2022

8:00 – 8:30	Registration (Foyer)
<b>8:30 – 10:05</b>	<b>Session 1: Lecture Hall</b> Chair: Prof. Samuel Wagner, PhD.
8:30 – 8:40	<b>Welcome: Prof. Samuel Wagner, PhD.</b>
8:40 – 9:25	<b>Keynote speaker: Prof. Ruth Ley, PhD.</b> Codiversification of gut microbiota with humans
9:25 – 9:45	<b>Dr. Aileen Berasategui</b> , RG Ziemert Secondary metabolites of Escovopsis, a parasite of fungus-farming ants, underlie host-pathogen coevolution
9:45 – 10:05	<b>Ulrike Biehn</b> , RG Angenent Revealing hydrogen syntrophy of human gut microbes with bioelectrochemistry
<b>10:05 – 11:30</b>	<b>Poster Session I &amp; Coffee (2<sup>nd</sup> Floor: Foyer 2, hallway and library)</b>
<b>11:30 – 12:50</b>	<b>Session 2: Lecture Hall</b> Chair: Prof. Dr. Daniel Sauter
11:30 – 11:50	<b>Hanna Grimm</b> , RG Kappler Microorganisms control greenhouse gas emissions and arsenic mobility in nitrogen-fertilized paddy soils
11:50 – 12:10	<b>Rishikesh Lotke, PhD</b> , RG Sauter Guanylate-binding proteins 2 and 5 reduce furin-mediated activation of SARS-CoV-2 Spike
12:10 – 12:30	<b>Dr. Thales Kronenberger</b> , RG Poso/Schütz Hot then cold – does temperature matter for SurA conformation
12:30 – 12:50	<b>Dr. Natalia Ruetalo Buschinger</b> , RG Schindler Targeting the capsid protein – a strategy for the generation of a broadly acting Flaviviridae inhibitor



12:50 – 13:35	<b>Lunch</b>
13:35 – 15:00	<b>Session 3: Lecture Hall</b> Chair: Prof. Dr. Lisa Maier
13:35 – 14:20	<b>Keynote speaker: Dr. Jakob Zimmermann, University of Bern</b> Noninvasive assessment of gut function using transcriptional recording sentinel cells
14:20 – 14:40	<b>Marie Münkel</b> , RG Bastounis <i>Borrelia burgdorferi</i> induces changes in the physical forces and immunity signaling pathways of endothelial cells early but not late after in vitro exposure
14:40 – 15:00	<b>Christian Beck</b> , RG Peschel Novel glycosyltransferase decorates wall teichoic acid with glucose residues and functions as phage receptor in <i>Staphylococcus epidermidis</i>
15:00 – 17:00	<b>Poster Session II &amp; Coffee (2<sup>nd</sup> Floor: Foyer 2, hallway and library)</b>