

INTERNATIONAL SYMPOSIUM

GRK 2157/1

DATE

5 – 7 April

VENUE

Juliuspital



SCIENTIFIC PROGRAMME

FRIDAY, 5 APRIL, 2019	
15:00	Arrival
16:00	Welcome Reception Thomas Rudel (Welcome and Introduction)
Chair Roy Gross/Markus Engstler	
16:30 – 17:00	Rino Rappuoli “ <i>Vaccination, an achievement of civilization and an health insurance for the future</i> ”
17:00 – 17:30	Matthias Lutolf “ <i>Engineering next-generation intestinal organoids</i> ”
17:30 – 18:00	Cheryl Nickerson “ <i>Modeling Host-Pathogen Interactions in the Context of the Microenvironment: Three-Dimensional Cell Culture Comes of Age</i> ”
18:00 – 18:15	Özge Kayisoglu “ <i>Pattern recognition is encoded as part of tissue identity in adult stem cell-derived gastrointestinal organoids</i> ”
18:15 – 18:30	Christian Reuter “ <i>Establishment of a sophisticated human skin tissue model for the investigation of vector-borne trypanosome infections in the skin</i> ”
18:30	Dinner
Saturday, 6 April, 2019	
Chair Heike Walles/Uwe Marx	
09:00 – 09:30	Mathias Hornef „ <i>Ontogeny of the enteric host-microbial interaction</i> ”
09:30 – 10:00	Sina Bartfeld “ <i>Infection, innate immune signalling and cancer in the gut – stem cell-derived organoids as model</i> ”
10:00 - 10:15	Jenifer Barilla “ <i>Dynamic low fluid shear suspension culture enhances the host-pathogen interaction between Salmonella and a human 3 - D intestinal co-culture model</i> ”
10:15 – 10:30	Kaiyi Zhang “ <i>Salmonella infection in cultivated small intestinal crypts</i> ”
10:30 – 11:00	Coffee Break
Chair Alexandra Schubert-Unkmeir/ Brandon Kim	
11:00 – 11:30	Kelly Doran “ <i>Penetration of the Blood-Brain Barrier by Group B Streptococcus</i> ”
11:30 – 12:00	Eric Shusta “ <i>Human Pluripotent Stem Cell Modeling of the Neurovascular Unit</i> ”
12:00 – 12:15	Sara Gomes “ <i>Induced pluripotent stem cell-derived brain endothelial cells as a novel cellular model to study Neisseria meningitidis infection</i> ”
12:15 – 13:15	Lunch

13:15 - 13:45	Chair Vera Kozjak-Pavlovic/Sina Bartfeld Thomas Meyer " <i>Towards an understanding of inflammation, chronic infection and carcinogenesis by using advanced human primary epithelial cell models</i> "
13:45 – 14:15	Melissa Herbst-Kralovetz " <i>Human 3 - D Cell Culture Models to Elucidate Host-Microbe Interactions in the Female Reproductive Tract</i> "
14:15 – 14:30	Motaharesadat Heydarian " <i>Development of advanced human 3D in vitro tissue mode to study host interactions with Neisseria gonorrhoeae</i> "
14:30 – 14:45	Nadine Vollmuth " <i>c-Myc plays a crucial role in IFN γ-induced Chlamydia-trachomatis dormancy</i> "
14:45 – 15:15	Coffee Break
	Chair Markus Sauer
15:15 – 15:45	Jörg Enderlein " <i>Metal Induced Energy Transfer (MIET) Imaging</i> "
15:45 – 16:00	Andreas Kurz „ <i>Application of correlative super resolution imaging techniques</i> “
16:00 – 16:15	Felix Scharte " <i>Imaging Salmonella enterica Infection in 3D and 2D Organoids</i> "
16:15 – 17:30	Coffee Break and Poster Session
18:00	Weinprobe
20:00	Speakers Dinner

	SUNDAY, APRIL 7, 2019
	Chair Thomas Dandekar/Sibylle Schneider-Schaulies
09:00 – 09:30	Jürgen Groll " <i>Biofabrication: Status of the field and potential for infection research</i> "
09:30 – 10:00	Thomas Höfer " <i>Hematopoiesis and Systemic Infection</i> "
10:00 – 10:15	Shaghayegh Derakshani " <i>Measles virus infection fosters dendritic cell motility in a 3D environment to enhance transmission to target cells in the respiratory epithelium</i> "
10:15 – 10:30	Fatykhova Diana " <i>Pneumococcal acidification as a virulence mechanism for barrier failure in human lungs</i> ".
10:30 - 11:00	Coffee Break
	Chair Cynthia Sharma
11:00 – 11:30	Cindrilla Chumduri " <i>Unraveling the 3D structural and cellular dynamics of squamo-columnar junctions as a basis for understanding infection induced pathogenesis</i> "
11:30 – 11:45	Aaqib Sohail " <i>Evaluation of a 3D human lung model for functional infection studies</i> "
11:45 – 12:00	Mona Alzheimer " <i>Development of tissue-engineered 3D infection models to study pathogenesis of Campylobacter jejuni</i> "
12:00 – 12:30	Poster Prize
12:30 – 13:30	Lunch and Departure