

Programme LISA Summer Academy 2024



Sunday Aug. 25 th	Welcome evening TWINCORE: Lobby, Terrace	
15:00-16:00	Registration, welcome	
16:00 – 17:00	Nils Hoppe, Centre for Ethics and Law in the Life Sciences, LUH	Human bodies in science: reflections on respecting rights and enabling innovation
17:00-19:00	Happy hour: drinks and snacks	

Monday Aug. 26 th	Pathogen sensing, mouse models, PhD Programs (HBRs), career - TWINCORE: Seminar room 0020	
09:00-10:15	Ulrich Kalinke	Welcome & Overview
	Ulrich Kalinke	Plasmacytoid dendritic cells in antiviral defense
	Reinhold Förster	Dendritic cells and the formation of tertiary lymphoid organs
10:15-10:45	Coffee Break	
10:45-11:45	Niko Föger	Novel regulatory themes in TLR4-mediated inflammation
	Jenny Kühne	Genetic mouse models
12:00-13:30	Lunch with Speakers	
13:30-14:30	Susanne Kruse, Gaby Froriep	HBRs PhD Programs, Mol Med PhD Program, Reg. Sciences PhD Program, ZIB PhD Program
	PhD Students (Angela, Aparna, Athira)	"How to find a PhD program": Experience reports and discussion
14:30-15:00	Coffee Break	
15:00-16:00	Orientation Tour MHH campus - Susanne Kruse	
16:00-17:00	Martin Kohn, Octapharma GmbH	Career options
17:00-18:30	LISA invites: Snacks, happy hour	

Tuesday Aug. 27 th	Induction of pathogen-specific immunity TWINCORE: Seminar room 0020	
9:00-10:00	Georg Behrens	Immunity against SARS-CoV-2
	Axel Schambach	Genetic modification of stem cells
10:00-10:15	Coffee Break (15 minutes)	
10:15-11:45	Nico Lachmann	Macrophages meet regenerative science and infection medicine
	Sarina Ravens	Development and postnatal maturation of gamma delta T cells
	Anna-Maria Dittrich	Characteristics, determinants and modulation of CF lung inflammation
11:45-13:15	Lunch with Speakers	
13:15-14:45	Berislav Bosnjak	Insights in pathogen-specific immune responses using CRISPR/Cas9 system
	Kyeong-Hee Lee	Immune modulation by regulatory B cells
	Abel Viejo-Borbolla	Learning from viruses: viral modulation of cytokine activity
14:45-15:00	Coffee Break (15 minutes)	
15:00-16:30	Students Poster Presentation I (Annett Ziegler/Andreas Pavlou)	
16:30-17:30	Stefan Pöhlmann, DPZ Göttingen	The 3As of SARS-CoV-2 infection: ACE2, Activators and Antibodies
17:30-18:30	LISA invites: Snacks, happy hour	

Saturday, Aug 31 st	
13:00-15:00	City Tour Hannover
15:30 - open end	„Beer garden“ Waterloo Biergarten, get together with HBRs students

Sunday, Sept. 1 st	FREE
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Sept. 2 nd – Sept. 6 th	Lab Rotations I	
Tuesday Sept. 3 rd 16:00-17:00 TC room 0020 + Zoom	Stanley Perlman University of Iowa	Coronaviruses: From Chickens to PASC (Post Acute Sequelae of COVID-19)
Thursday Sept. 5 th TC room 0020 & lobby	17:00-18:00	Closing remarks, round table discussion & Feedback
	18:00-19:00	LISA invites: Happy Hour & Snacks

Wednesday Aug. 28 th	Infection of organs TWINCORE: Room 0020	
9:00-10:00	Armin Braun	Neuroimmune interactions in allergic asthma
	Lennart Rösner	T-cells and antigen-presenting cells in chronic cutaneous inflammation
10:00-10:30	Coffee Break	
10:30-12:00	Nataliya Di Donato	Detection of genetic susceptibility to infectious diseases
	Markus Cornberg	Biological impact of HCV cure – LongHepC?
	Till Strowig	Exploring colonization resistance to prevent infections
12:00-13:30	Lunch with Speakers	
13:30 -15:00	Matthias Lochner	Targeting of the mucosal microenvironment in infection and inflammation
	Guntram Grassl	Intestinal glycans and their interaction with commensal and pathogenic bacteria
	Manuela Büttner	Organoids: Bridging the gap between in vitro models and cutting-edge research
15:00-15:30	Coffee Break	
15:30-17:30	Students Poster Presentation II (Annett Ziegler/Andreas Pavlou)	
19:15-21:30	GOP Variété Theatre	

Thursday, Aug 29 th	Visit to Helmholtz Center for Infection Research (HZI) in Braunschweig, workshop	
8:30	Departure from TWINCORE by bus to HZI Braunschweig	
10:00-11:00	Carlos Guzmán	Cyclic-di-nucleotides: promising tool to activate DC and promote humoral and cellular responses post vaccination
	Luka Cicin-Sain	An inflation of memory CD8 T cells upon herpesvirus infections – is it good or bad?
11:00-11:15	Coffee Break	
11:15-13:15	Tour HZI campus – 2 groups of approx. 20 persons	
13:15-14:15	Lunch with Speakers	
14:15-17:15	Matthias Bruhn, Felix Mulenge & Abdus Salam	Workshop: Single cell RNA sequencing (scRNAseq)
17:15-18:45	LISA invites: Barbecue at HZI	
18:45	Departure from HZI by bus to TWINCORE	

Friday, Aug 30 th	Intervention strategies, Genetic and environmental impact on infection TWINCORE: Seminar room 0020	
9:00-10:00	Theresa Graalman	Autoimmunity
	Daniel Depledge	On the contribution of varicella zoster virus genetics to disease pathogenesis and attenuation
10:00-10:30	Coffee Break	
10:30-12:00	Camille Andrieu	Treatment challenges of chronic Pseudomonas aeruginosa infections
	Andreas Pavlou	Orchestration of antiviral responses within the infected central nervous system
	Benjamin Vollmer	CryoEM of (viral) membrane fusion proteins
12:00-13:30	Lunch with Speakers	
13:30-15:00	Britta Eiz-Vesper	Allogeneic T cells with natural and artificial specificities for treatment of viral complications and malignant diseases
	Saumya Dileep Kumar	Big Data in Immunology: How to make the most of it
	Nishanth Gopala Krishna	Regulation of immune responses by deubiquitinating enzymes
15:00-15:30	Coffee Break	
15:30 -17:00	Students Poster Presentation III (Annett Ziegler/Andreas Pavlou)	

Sept. 9 th – Sept. 13 th	Lab Rotations II
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