

# Programme LISA Summer Academy 2022

\*\* Topic speakers and \* deputies



Sunday Aug. 28 <sup>th</sup>		Welcome evening TWINCORE: Seminar room 0.02
16:00-17:00	Registration	
17:00-19:00	Welcome, drinks and snacks	

Monday Aug. 29 <sup>th</sup>		Pattern Recognition Receptors, Dendritic Cells, PhD Programs (HBRS), TWINCORE: Room 0.02
09:00-10:00	Ulrich Kalinke**	Welcome introduction
	Reinhold Förster*	Topic overview
	Reinhold Förster	Dendritic cells and the formation of tertiary lymphoid organs
10:00-10:30	Coffee Break	
10:30-12:00	Ulrich Kalinke	Plasmacytoid dendritic cells in antiviral defense
	Niko Föger	Novel regulatory themes in TLR4-mediated inflammation
	Georg Behrens	Divide and conquer: dendritic cells in adaptive immunity
12:00-14:00	Lunch with Speakers	
14:00-15:00	Susanne Kruse, Ulrich Martin	HBRS PhD Programs, MolMed PhD Program, Reg Sciences PhD Program, ZIB PhD Program
	PhD Students (Angela, Aparna, Sooraj)	"How to find a PhD program": Experience reports and discussion
15:00-15:30	Coffee Break	
15:30-16:30	Orientation Tour MHH – Susanne Kruse	
16:30-17:30	<b>Patrick Bartholomäus ViiV Healthcare</b>	<b>Career options</b>
17:30-19:30	TWINCORE invites: Snacks, happy hour	

Tuesday Aug. 30 <sup>th</sup>		Lung Inflammation, Asthma, Allergy TWINCORE: Seminar room 0.02
9:00-10:00	Armin Braun*	Topic overview
	Carlos Guzmán	Cyclic-di-nucleotides: promising tool to activate DC and promote humoral and cellular responses post vaccination
10:00-10:30	Coffee Break	
10:30-11:30	Anna-Maria Dittrich	Unconventional lymphocytes in CysticFibrosis Lung Disease
	Lennart Rösner	T-cells and antigen-presenting cells in chronic cutaneous inflammation
11:30-13:00	Lunch with Speakers	
13:00-14:30	Nico Lachmann	Macrophages meet regenerative science and infection medicine
	Armin Braun	Neuroimmune interactions in allergic asthma
	Abel Viejo-Borbolla	Learning from viruses: viral modulation of cytokine activity
14:30-15:00	Coffee Break	
15:00-16:30	Students Poster Presentation I	

Wednesday Aug. 31 <sup>st</sup>		Regeneration, Hematopoietic Progenitors TWINCORE: Room 0.02
9:00-10:15	AxelSchambach**	Topic Overview
	Axel Schambach	Genetic modification of stem cells
10:15-10:45	Coffee Break	
10:45-12:15	Jenny Kühne	Genetic mouse models
	Kyeong-Hee Lee	Immune modulation by regulatory B cells
	Berislav Bosnjak	Gene modifications using CRISPR/Cas9 system in immunology
12:15-14:00	Lunch with Speakers	
14:00-15:30	Students Poster Presentation II	
19:00-21:30	GOP Variété Theatre	

Sept. 12 <sup>th</sup> – Sept. 16 <sup>th</sup>		Lab Practicals
Thursday-Friday Sept. 15 <sup>th</sup> -16 <sup>th</sup> TC room 0.02	Thur: 9:00-17:00 Fri: 9:00-13:00	14 <sup>th</sup> TWINCORE Symposium & Intl. VPM Days: "Lessons from the pandemic for future infection research"

Thursday Sept. 1 <sup>st</sup>		Homeostasis and Inflammation in the intestine Immunity, Inflammation and Cancer TWINCORE: Seminar room 0.02
9:00-10:00	Matthias Lochner**	Topic overview
	Matthias Lochner	RORyt expressing cells and their role in intestinal immune regulation and inflammation
10:00-10:30	Coffee Break	
10:30-12:00	Till Strowig	Microbiota and intestinal immunity
	Guntram Grassl*	Intestinal glycans and their interaction with commensal and pathogenic bacteria
12:00-14:00	Lunch with Speakers	
14:00-15:00	André Bleich	Colitis susceptibility in IL10-deficient mice depends on complex genetic and microbial factors
	Christine Falk	NK cells & inflammation in solid organ transplantation
15:00-15:30	Coffee Break	
CRC900/TWINCORE Seminar 15:30-16:30	<b>Helen Su NIH / NIAID</b>	<b>Cytosolic dsRNA sensors and antiviral immunity</b>

Friday, Sept. 2 <sup>nd</sup>		CD8 T Cells, CAR-T cells, Tregs, Th17, Gamma Delta T Cells, Autoimmunity TWINCORE: Seminar room 0.02
9:00-10:00	Sarina Ravens**	Topic overview
	Sarina Ravens	gd T cells - an extraordinary T cell subset
10:00-10:30	Coffee Break	
10:30-11:30	Yang Li	Big Data in Immunology: How to make the most of it
	Britta Eiz-Vesper	Allogeneic T cells with natural and artificial specificities for treatment of viral complications and malignant diseases
11:30-13:30	Lunch with Speakers	
13:30-15:00	Theresa Graalman	Autoimmunity
	Luka Cicin-Sain	An inflation of memory CD8 T cells upon herpesvirus infections – is it good or bad?
	Nishanth Gopala Krishna	Regulation of immune responses by deubiquitinating enzymes
15:00-15:30	Coffee Break	
15:30-16:30	<b>Alexander Flügel University Medical Center Göttingen</b>	<b>Tracking pathogenic cells during the initiation of brain autoimmunity</b>
17:00 – Open End	TWINCORE invites: Barbecue, get together with HBRS students	

Saturday, Sept. 3 <sup>rd</sup>	
15:00 - 17:00	City Tour Hannover
18:30 - 23:00	International Firework Competition – Herrenhäuser Gardens

Sunday, Sept. 4 <sup>th</sup>		FREE
-------------------------------	--	------

Sept. 5 <sup>th</sup> – Sept. 9 <sup>th</sup>		
Monday Sept. 5 <sup>th</sup> TC Lobby	13:00-16:30	Students Poster Presentations III and IV (incl. coffee break)
Tuesday Sept. 6 <sup>th</sup> TC room 0020	9:00-12:00	Workshop Single cell RNA sequencing (scRNAseq) Matthias Bruhn & Felix Mulenge
Tuesday Sept. 6 <sup>th</sup> 13:30-14:30 TC room 0020	<b>Rebecca Northeast Proteintech GmbH</b>	<b>Tech talk: The importance of antibody validation in life-science research</b>
Tuesday Sept. 6 <sup>th</sup> 14:45-15:45 TC room 0020	<b>Rebecca Northeast Proteintech GmbH</b>	<b>Careers talk: Changing track: How I moved from academia to biotech</b>
Tuesday Sept. 6 <sup>th</sup> 16:00-17:00 TC room 0020	<b>Rebecca Gentek University of Edinburgh</b>	<b>Key Note Lecture: How the immune system develops – and why it matters</b>
Wednesday-Saturday Sept. 7 <sup>th</sup> -10 <sup>th</sup>	Immunology Conference	<a href="#">Joint DGfI &amp; ÖGAI Meeting</a> at MHH
Friday Sept. 9 <sup>th</sup> TC room 0.02	17:00-18:00	Closing remarks, round table discussion & Feedback
	18:00-19:00	Happy Hour & Snacks