

# Program LISA Summer Academy 2018

<b>Sunday Aug. 12<sup>th</sup></b>		<b>Welcome Evening TWINCORE: Seminar room 0.02</b>	
16:00-17:00	Registration		
17:00-19:00	Welcome, Drinks and Snacks		
<b>Monday Aug. 13<sup>th</sup></b>		<b>Pattern Recognition Receptors, Dendritic Cells, PhD Programs (HBRS), TWINCORE: Room 0.02</b>	
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 defence	
	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		
14:00-15:30	Christopher Baum	Dean of the MHH	
	Reinhold E. Schmidt	HBRS PhD Programs, MolMed PhD Program	
	Ulrich Martin	Reg Sciences PhD Program	
	Reinhold Förster	ZIB PhD Program	
	Christine Falk	Info: Career Advice, Stipends, Women in Science	
15:30-16:00	Coffee Break		
16:00-17:00	Orientation Tour MHH		
17:00-18:00	<b>Michelle Linterman, Cambridge University, UK</b>	<b>Germinal centres in secondary and tertiary lymphoid organs</b>	
18:00-21:00	TWINCORE invites: Snacks, Happy Hour		

<b>Tuesday Aug. 14<sup>th</sup></b>		<b>Lung Inflammation, Asthma, Allergy TWINCORE: Seminar room 0.02</b>	
9:00-10:00	Armin Braun*	Topic Overview	
	Carlos Guzman	Cyclic-di-nucleotides: promising tool to activate DC and promote humoral and cellular responses post vaccination	
10:00-10:15	Coffee Break		
10:15-12:30	Susanne Häußler	Treatment Challenges of Chronic Pseudomonas aeruginosa Infections	
	Gesine Hansen**	Intrapulmonary Cell Therapy for Lung Diseases	
	Coffee Break (15 min)		
	Thomas Werfel	T-cells and antigen-presenting cells in chronic cutaneous inflammation	
	Armin Braun	Neuroimmune Interactions in allergic asthma	
12:30-14:00	Lunch with Speakers		
14:00-15:30	Students Poster Presentation I		
15:30-16:00	Coffee Break		
16:00-17:00	Students Poster Presentation II		
17:00-18:00	t.b.a.	t.b.a.	

<b>Wednesday Aug. 15<sup>th</sup></b>		<b>Regeneration, Hematopoietic Progenitors TWINCORE: Room 0.02</b>	
9:00-10:15	Axel Schambach**	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	
	Dirk Heckl*	CRISPR-Cas9	
12:15-14:00	Lunch with Speakers		
14:00-15:30	Students Poster Presentation III		
15:30-16:00	Coffee Break		
16:00-17:30	Students Poster Presentation VI		
Evening	GOP Theatre		

<b>Thursday Aug. 16<sup>th</sup></b>		<b>Homeostasis and Inflammation in the intestine Immunity, Inflammation and Cancer TWINCORE: Seminar room 0.02</b>	
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	Thomas Pietschmann	Pathways and barriers of hepatitis C virus replication	
	Guntram Grassl*	Intestinal glycans and their interaction with commensal and pathogenic bacteria	
	Reinhold E. Schmidt	Immunodeficiency and Autoimmunity – two sides of the same coin?	
12:00-14:00	Lunch with Speakers		
14:00-16:15	Christine Falk	NK cells & inflammation in solid organ transplantation	
	Abel Viejo-Borbolla	Learning from viruses: viral modulation of cytokine activity	
	Coffee Break (15 min)		
	Till Strowig	Microbiota and Intestinal Immunity	
	Christine Goffinet	Emerging restriction factors of viral infections	

<b>Friday, Aug. 17<sup>st</sup></b>		<b>Tregs, Th17, Gamma Delta T Cells, Autoimmunity TWINCORE: Seminar room 0.02</b>	
9:00-10:00	Jochen Hühn**	Topic Overview	
	Jochen Hühn	Epigenetic fixation of T cell fates	
10:00-10:30	Coffee Break		
10:30-11:30	Ingo Schmitz	Tregs - something on their birth and their death	
	Tim Sparwasser	Tregs in infection and vaccinology: heroes or traitors	
11:30-14:00	Lunch with Speakers		
14:00-16:15	Luciana Berod	Metabolic regulation of T cell function	
	Immo Prinz*	IL-17 producing gamma-delta T cells	
	Coffee Break (15 min)		
	André Bleich	Colitis susceptibility in IL10-deficient mice depends on complex genetic and microbial factors	
17:00-18:00	Martin Stangel	T cell – glia interactions in neuroinflammation	
	<b>Jose Alves-Filho, University of Sao Paulo, BRA</b>	<b>Mechanisms of sepsis-induced long-term immunosuppression</b>	
18:00 – Open End	TWINCORE invites: Barbecue, get together with HBRS students		

<b>Saturday, Aug. 18<sup>th</sup></b>	
15:00	City Tour Hannover
18:00	Firework Competitions Herrenhäuser Gärten

<b>Sunday, Aug. 19<sup>th</sup></b>	
<b>FREE</b>	

<b>Aug. 20<sup>th</sup>-26<sup>th</sup></b>		<b>Lab Rotations</b>	
Wednesday Aug. 22 <sup>nd</sup>	9:00-11:00	MHH: Demonstration HUB / IVIS / Metabolomics/Proteomics	
Wednesday Aug. 22 <sup>nd</sup> 17:00-18:00 TC room 0.02	<b>Daniel Pinschewer, University of Basel, CH</b>	<b>Humoral immune defense in persistent viral infection</b>	
Thursday Aug. 23 <sup>rd</sup> 17:00-18:00 TC room 0.02	<b>Jim Di Santo, Institut Pasteur, Paris, F</b>	<b>Developmental and functional plasticity of human innate lymphoid cells</b>	
Thursday Aug. 23 <sup>rd</sup>	18:00-19:00	Closing remarks, round table discussion & feedback	
	19:00-21:00	TWINCORE Invitation: Happy Hour & Snacks	

<b>Aug. 27<sup>th</sup> – Sept. 2<sup>nd</sup></b>		<b>Lab Rotations</b>	
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<b>Sept. 3<sup>rd</sup> – Sept 9<sup>th</sup></b>		<b>Lab Rotations</b>	
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\*\* Topic speaker and \* deputies