



Program

1st Symposium Manchot Graduate School 'Molecules of Infection IV' 24.05. – 26.05.2022

at the Kardinal Schulte Haus in Bergisch Gladbach

1 st Day		Chairs		
11:00-10:30	Arrival and registration			
11:30-11:45	Welcome addresses			
	Prof. Johannes H. Hegemann and Prof. Klaus Pfeffer			
Manchot Lecture in Infection Biology				
11:45-12:45	Adoptive T cell therapy against HBV-induced HCC:	Maximilian		
	A translational journey from cell culture experiments to the	Damagnez		
	patients			
	Dr. Karin Wisskirchen			
	Institute of Virology, Technische Universität München /			
	Helmholtz Zentrum München, Munich, Germany.			
	German Centre for Infection Research (DZIF), Munich			
	partner site, Germany.			
	SCG Cell Therapy GmbH, Planegg, Germany / SCG Cell			
	Therapy Pte. Ltd., Singapore			
12:45 - 14:30				
	Lunch break			
Mechanisms of Viral Infection				
14:30-14:50	P4: Influence of hepatitis B virus e antigen variants on the	Prof. Heiner		
	CD8+ T cell immune response	Schaal		
	Maximilian Damagnez			
14:50-15:10	P1: Investigations on nuclear export of unspliced and			
	intron-containing HIV-1 mRNAs			
	Anastasia Ritchie			







15:10-15:30	P3: Interference of HCV with chemokine mediated intercellular communication processes of the host <i>Tobias Hustedt</i> 15:30 - 16:00			
Coffee break				
Bacterial Proteins in Infection and Infection Control				
16:00-16:20	P5: Mechanism and Structure of MbxA protein Feby Chacko	Prof. Eva Nowack		
16:20-16:40	P8: Novel oxidoreductases from <i>Pseudomonas aeruginosa Sajedeh Mirshahvalad</i>			
16:40-17:00	P7: Characterization of the role of hydrolases in the resistance of <i>Mycobacterium tuberculosis</i> against hydroxamic acid derivatives <i>Kristin Schwechel</i>			
17:00 - 17:20				
Break				
17:20-18:00	MOI IV board meeting (only PIs and PhD representatives)			
18:15				
Dinner				

2 nd Day		Chairs	
Bacterial Proteins in Infection and Infection Control			
09:30-09:50	P6: Characterisation of human receptors interacting with	Dr. Filip	
	Chlamydia trachomatis Pmp adhesins	Kovacic	
	Fabienne Büchler		
09:50-10:10	K2: Exploring mechanisms establishing nuclear control over		
	gene expression in a bacterial endosymbiont in the		
	amoeba Paulinella chromatophora		
	Tobias Spiegl		
10:10-10:30	P9: Studying Molecular Mechanisms Underlying		
	Endosymbiotic Interactions- Subcellular localization and		
	cellular functions of the endosymbiont-targeted proteins in		
	Angomonas deanei		
	Anay Kumar Maurya		
10:30 - 11:00			
	Coffee break		
Molecular Regulatory Mechanisms in Fungi			
11:00-11:20	P11: Investigation of the posttranscriptional regulatory role	AplProf.	
	of the RBP Khd4 during the infectious phase of <i>U. maydis</i>	Ursula Fleig	
	Lea Geißl		
11:20-11:40	P10: Inositol pyrophosphate-controlled polyphosphate		
	generation and its role in the fungal cell cycle		
	Sarune Daunaraviciute		







11:40-12:00	K1: Characterization of the first bacterial protein, the			
	chlamydial CPn0572, that regulates both the actin- and			
	microtubule-cytoskeleton of eukaryotic cells			
	Mona Höhler			
	12:00 - 14:00			
	Lunch break			
	Control of Immune Responses to Infection			
14:00-14:20	P14: Modulation of anti-microbial and anti-parasitic	Prof. Irmgard		
	immune reactions by intestinal chemosensing receptors	Förster		
	Michelle Mayer			
14:20-14:40	P15: Serum milieu effects on immunopathology of			
	monocyte/macrophage subsets in human tuberculosis			
	Hubert Senanu Ahor			
14:40-15:00	P12: Functional analysis of lymphotoxin β receptor			
	dependent effector mechanisms during the immune			
	response against intracellular pathogens			
	Marcel Helle			
	15:00 - 15:20			
Coffee break				
15:20-15:40	P16: The functional role of Tspan2 in anti-infectious	Prof.		
	immune responses	Alexander		
	Marcel Marson	Dilthey		
15:40-16:00	P13: Analysis of host-pathogen interactions through single-			
	cell RNA sequencing of Toxoplasma- and Chlamydia-			
	infected cells			
	Yomna Gohar			
16:00-16:20	P18: The role of Progranulin during viral infection			
	Harry Ward			
16:20-16:30	Summary of the symposium and outlook			
	Prof. Johannes H. Hegemann and Prof. Klaus Pfeffer			
16:30-18:00	Slot for Follow-up Meetings & Discussions			
18:00				
Dinner				

3 rd Day		
09:30-11:30	Discussion and	
	Networking in small groups	

