

# International Symposium

20 - 22 September 2023



## Wednesday, 20 September 2023

Alte Universität, Aula, Lahntor 3

<b>Public Lecture</b> 18:00 - 21:00	Welcome Susanne Herold and Stephan Becker
	<b>Erica Ollmann Saphire</b> , San Diego <i>Antibodies against Emerging Infectious Disease</i>
	<b>Ziyad Al-Aly</b> , St. Louis <i>Long Covid: an Overview</i>
	Get-together

## Thursday, 21 September 2023

Klinikum, Auditorium (3BA / -1/29020), Baldingerstraße

09:00	Welcome
<b>Session 1: Structural Virology and Protein Function</b> <span style="float: right;">Chair: Thomas Strecker</span>	
09:15 - 09:45	<b>Bruno Canard</b> , Marseille <i>Idiosyncrasy of SARS-CoV-2 RNA synthesis provide unique opportunities for antiviral drug-design</i>
09:45 - 10:15	<b>Maria Rosenthal</b> , Hamburg <i>Bunyavirus genome replication and transcription - a structural perspective</i>
10:15 - 10:45	<b>Anke Werner</b> , Marburg <i>Two birds, one stone: Identifying ligands and novel interaction partners of Ebola virus VP40 via crystal soaking</i>
10:45 - 11:15	Coffee break
11:15 - 11:45	<b>Nicole Tischler</b> , Santiago de Chile <i>Conformational transitions and function of the hantavirus Gn/Gc spikes</i>
11:45 - 12:15	<b>John Ziebuhr</b> , Gießen <i>Alphacoronavirus cis-active RNA elements</i>
<b>Session 2: Infection Models</b> <span style="float: right;">Chair: Bevan Sawatsky</span>	
12:15 - 12:45	<b>César Muñoz-Fontela</b> , Hamburg <i>The importance of the DC-T cell crosstalk in Ebola virus pathogenesis</i>
12:45 - 13:45	Lunch break
13:45 - 14:15	<b>Thomas P. Zwaka</b> , New York <i>Exploring Virus-Host Dynamics: A Novel Ex Vivo Approach Using Bat and Human Pluripotent Stem Cells</i>
14:15 - 14:45	<b>Anja Schöbel</b> , Marburg <i>Neutral Lipid-Synthesizing Enzymes as Antiviral Targets in Zika Virus Infection</i>
14:45 - 15:15	<b>Benjamin Lamp</b> , Gießen <i>Sting and do not be stung - The use of honey bees (<i>Apis mellifera</i>) as experimental animals</i>
15:15 - 15:45	Coffee break
<b>Session 3/1: Host Responses to Viral Infections</b> <span style="float: right;">Chair: Nadine Biedenkopf</span>	
15:45 - 16:15	<b>Daniela Weiskopf</b> , San Diego <i>Effect of Booster Vaccinations on SARS-CoV-2 T cell immunity</i>
16:15 - 16:45	<b>Ana Fernandez-Sesma</b> , New York <i>Modulation of Innate Immunity by Arboviruses: A tale of two viruses</i>
16:45 - 17:15	<b>Denisa Bojkova</b> , Frankfurt <i>SARS-CoV-2 variants: Pathogenesis and therapy</i>

## Friday, 22 September 2023

Klinikum, Auditorium (3BA / -1/29020), Baldingerstraße

Session 3/2: Host Responses to Viral Infections		Chair: Andrea Maisner
09:00 - 09:30	<b>Florian Krammer</b> , New York <i>Antibody responses to SARS-CoV-2 infection and vaccination</i>	
09:30 - 10:00	<b>Duane Wesemann</b> , Boston <i>Dissecting Antibody Durability</i>	
10:00 - 10:30	<b>Friedemann Weber</b> , Gießen <i>Induction and suppression of the interferon response by pathogenic RNA viruses</i>	
10:30 - 11:00	<b>Coffee break</b>	
Session 4: Tissue Remodeling and Repair after Viral Infections		Chair: Saverio Bellusci
11:00 - 11:30	<b>Martin Schwemmle</b> , Freiburg <i>Bats reveal the true power of influenza A virus adaptability</i>	
11:30 - 12:00	<b>Paul G. Thomas</b> , Memphis <i>Decisive fibroblasts regulating lung immune protection and pathology</i>	
12:00 - 12:30	<b>Elie El Agha</b> , Gießen <i>Investigating the mesenchymal niche in pneumonia-induced ARDS</i>	
12:30 - 13:00	<b>Susanne Herold</b> , Gießen <i>Macrophage reprogramming in lung tissue repair</i>	
13:00 - 14:00	<b>Lunch break</b>	
Session 5: Long Term Sequelae of Viral Infections		Chair: Natascha Sommer
14:00 - 14:30	<b>Benjamin G. Hale</b> , Zürich <i>Induction and antagonism of an endogenous retroelement-based immune response by respiratory RNA viruses</i>	
14:30 - 15:00	<b>Gustavo Palacios</b> , New York <i>The Intriguing aspects of the basic biology of Filovirus replication during viral Persistence</i>	
15:00 - 15:30	<b>Chrysanthi Skevaki</b> , Marburg <i>Respiratory viruses, allergy and autoimmunity</i>	
15:30	Conclusion	
	<b>Coffee break</b>	