

DAY 1 - WEDNESDAY, FEBRUARY 26, 2025

Program

04:00 p.m.	Registration
	Institut für Virologie Hermann-Herder-Straße 11 79104 Freiburg

06:00 p.m. Welcome reception at City Hall

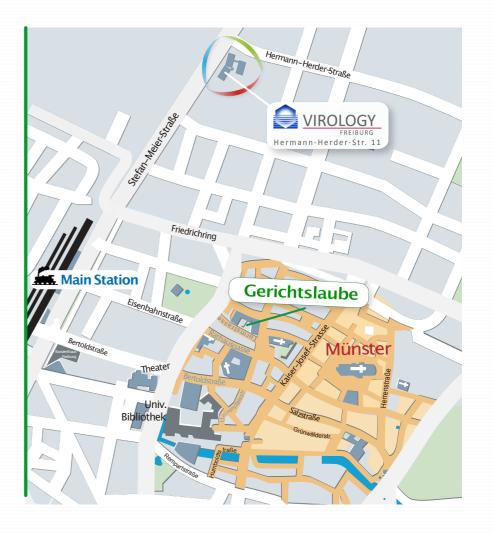
Gerichtslaube, Unterer Saal Turmstraße 20 79098 Freiburg im Breisgau

International Symposium

Molecular Determinants of Zoonotic Viruses and Beyond

February 27 - March 1, 2025

Institute of Virology, Medical Center - University of Freiburg



DAY 2 - THURSDAY, FEBRUARY 27, 2025

08:00 a.m.	Registration	
08:45 a.m.	Martin Schwemmle	of Medicine, University of Freiburg
09:00 a.m.	Fabian Leendertz Greifswald, Germany	One Health approaches for better prevention
09:40 a.m.	Martin Beer Insel Riems, Germany	HPAIV H5N1 – from panzootic to pandemic?
10:20 a.m.	Ke Xu Wuhan, China	Directional virus-virus interactions drive respiratory viral epidemic patterns before and after the COVID-19 pandemic.
10:50 a.m.	Coffee break	
11:20 a.m.	Mathias Munschauer Frankfurt, Germany	An RNA-centric perspective on human pathogenic RNA viruses
12:00 p.m.	Volker Thiel Bern, Switzerland	Combating Coronavirus infection by spotlighting translation
12:40 p.m.	Lunch break	
	01:00 p.m. MEET THE EDI 30 min	TOR I Sonja Schmid Senior Editor Nature Communications • Lecture Hall

DAY 2 - THURSDAY, FEBRUARY 27, 2025

02:00 p.m.	Max Josef Kellner Vienna, Austria	Reconstructing Bat Antiviral Immunity at Epithe Surfaces Using Organoid Technology
02:30 p.m.	Aaron Irving Haining, China	Comparative genomics reveals evolution of antiviral factors from Chinese horseshoe bats to humans
03:10 p.m.	Tony Schountz Fort Collins, USA	Experimental Sarbecovirus Infection of Jamaica Fruit Bats
03:50 p.m.	Coffee break	
04:20 p.m.	Gisa Gerold Innsbruck, Austria	Discovery of alphavirus host factors
05:00 p.m.	Ana Fernandez-Sesma New York, USA	Innate Immune Evasion by Arboviruses
05:40 p.m.	Break	
06:00 p.m.	Manon Laporte Leuven, Belgium	An orally efficacious coronavirus assembly inhibitor that targets the viral M protein
06:30 p.m.	Johan Neyts Leuven, Belgium	Broader-acting antivirals for epidemic and pandemic preparedness
07:10 p.m.	James Crowe Nashville, USA	Human monoclonal antibodies for emerging infections
08:00 p.m.	Research, Rhythm & Networking:	
	Poster Session with I	live Music



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DAY 3 - FRIDAY, FEBRUARY 28, 2025

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09:00 a.m.	Susanne Herold Gießen, Germany	Towards host-directed therapies for tissue repair after virus-induced lung injury
09:40 a.m.	Christian Sieben Braunschweig, Germany	Advanced imaging to decipher mechanistic details of zoonotic viral infections
10:20 a.m.	Coffee break	
10:50 a.m.	Jean-Laurent Casanova New York, USA	Human genetic and immunological determinants of viral diseases
11:30 a.m.	Ben Hale Züri, Switzerland	Engineered Decoys to Limit the Pathogenic Effects of Type I IFN Autoantibodies During Severe Viral Infections
12:10 p.m.	Lunch break	
	12:45 p.m. Meet the edito	r II Melissa Vázquez Hernández
	30 min	Senior Editor PLOS Biology
		Lecture Hall

02:10 p.m.	Wilhelm Furnon Glasgow, UK	Phenotypic evolution of SARS-CoV-2 spike during the COVID-19 pandemic
02:40 p.m.	Gustavo Palacios New York, USA	A single difference between rodent and human Andes virus glycoprotein affects its trafficking and egress
03:20 p.m.	Antoni Wrobel Oxford, UK	Molecular mechanisms of viral entry underlying viral evolution and host change
04:00 p.m.	Coffee break	
04:30 p.m.	Florian Full Freiburg, Germany	Poxviruses induce a nuclear environment in the cytoplasm to promote viral replication
05:00 p.m.	Konstantin Sparrer Ulm, Germany	Sense and sensibility – The role of the cytoskeleton in innate immunity
05:40 p.m.	Break	
06:00 p.m.	Florian Krammer New York, USA & Vienna, Austria	Antibody responses to Puumala virus infection
06:40 p.m.	Christian Drosten Berlin, Germany	Ongoing evolution of MERS-CoV
08:00 p.m.	Speakers dinner	
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DAY 4 - SATURDAY, MARCH 1, 2025

09:00 a.m.	Andreas Pichlmair Munich, Germany	Virus-host interactions identify pathogen restriction factors and novel functions of cellular proteins
09:40 a.m.	Petr Chlanda Heidelberg, Germany	Influenza A virus assembly and vRNP clustering by in situ cryo-electron tomography
10:20 a.m.	Hiromichi Matsugo Kyoto, Japan	Role of ANP32 family proteins in Borna disease virus replication and host specificity
10:50 a.m.	Coffee break	
11:20 a.m.	Peter Reuter Kevin Ciminski Freiburg, Germany	Another Receptor, another tropism. Lessons from bats as influenza virus reservoirs
12:00 p.m.	Silke Stertz Zurich, Switzerland	MHC-II dependent entry of human and avian influenza A viruses
12:40 p.m.	Adolfo Garcia-Sastre New York, USA	Newcastle disease virus as a vaccine platform for domestic animals and humans
01:20 p.m.	Closing remarks + Acknowledgements	
01:30 p.m.	Light Lunch	
02:00 p.m.	End of Meeting	