

Detailed Program			
Thursday, 30 October 2025			
14:00-22:00	Registration Venue: Jingchu Hall Foyer		
Day 1 - Friday, 31 October 2025 Venue: Jingchu Hall (Time: 08:30 - 17:40) Venue: Qintai Hall (Time: 14:00 - 17:40)			
Time	Speaker	Contents	Moderator
08:30-08:50	Opening Ceremony (Jingchu Hall)		Ke Lan
08:50-09:20	Hualan Chen Keynote Speaker Harbin Veterinary Research Institute, CAAS	Research on H5N1 Influenza Virus in Dairy Cows: Insights into Transmission, Prevention, and Control	Zhihong Hu
09:20-09:50	Yuan Chang Keynote Speaker University of Pittsburgh	Virus Discovery in Cancer: Molecular Clues and Mechanistic Insights	
09:50-10:20	Eric Freed Keynote Speaker (Virtual) National Institutes of Health	HIV assembly, maturation, and drug resistance	
10:20-10:40	Coffee Break		
10:40-11:10	Patrick Moore Keynote Speaker University of Pittsburgh	What new things that we can learn about viruses and cancer? Lessons from KSHV and MCV	Hongyu Deng
11:10-11:40	Geoffrey Smith Keynote Speaker University of Oxford Shanghai Institute for Materia Medica, CAS	The interactions of poxviruses with the host cell and immune system	
11:40-12:10	Karla Kirkegaard Keynote Speaker Stanford University	Sub-stoichiometric inhibitors to suppress drug resistance in positive-strand antivirals	
12:20-14:00	Lunch Break Venue: Yangtze Hall		
Parallel Session 1 Venue: Jingchu Hall Time: 14:00-17:40			
14:00-14:25	Jeremy Luban Invited Speaker University of Massachusetts Chan Medical School	Innate Immune Detection of HIV-1 in Dendritic Cells by IFIH1/MDA5	Qiang Ruan
14:25-14:50	Ke Lan Invited Speaker Wuhan University	The Janus Face of KSHV RTA: Transcriptional Activation and Repression in One	
14:50-15:15	Hongyu Deng Invited Speaker Institute of Biophysics, CAS	Immune evasion strategies of a herpesvirus	
15:15-15:40	Yuntao Wu Invited Speaker George Mason University	From mother’s milk to SHREKs: PSGL-1, CD34, and the SHREK family of host antiviral proteins	
15:40-16:05	Yong-Hui Zheng Invited Speaker The University of Illinois	SARS-CoV-2 Switches Receptors from ACE2 to NPC1 during Endocytic Entry	
16:05-16:25	Coffee Break		

S3: Viral Structure and Assembly S4: Viral Latency and Oncogenesis S5: Virus–Host Interactions			
16:25-16:40	Xian Xia Wuhan University	In Situ Structural Insights into Entry, Assembly, and Replication of dsRNA Viruses	Jiafen Hu
16:40-16:55	Junjie Zhang Wuhan University	KSHV ORF55 plays a central role in coordinating viral assembly	
16:55-17:10	Dan Yu Capital Medical University	PRMT3 reverses HIV-1 latency by increasing chromatin accessibility to form a TEAD4-P-TEFb-containing transcriptional hub	
17:10-17:25	Tingting Li Hunan Normal University	KSHV hijacks ATG5 via Kaposin A to promote autophagy and primary effusion lymphoma progression	
17:25-17:40	Chengchao Ding University of Science and Technology of China	Mammalian Schlafen Proteins Restrict Poxvirus Replication	
18:00-19:00	Dinner Break Venue: Yangtze Hall		
Parallel Session 2 Venue: Qintai Hall Time: 14:00-17:40			
14:00-14:25	Katharina Höfer Invited Speaker Max Planck Institute for Terrestrial Microbiology	RNAylation: The Molecular Bridge Connecting RNA and Protein Worlds in bacteria-bacteriophage interactions	Yu Chen
14:25-14:50	Yanyi Wang Invited Speaker Wuhan Institute of Virology, CAS	Identification of entry receptors for CCHFV and WEEV	
14:50-15:15	Ralf Altmeyer University of Chinese Academy of Sciences	Targeting the Physics of Transcription Condensates: Ultra-Fast Acting Antiviral Drugs	
15:15-15:40	Jincun Zhao Invited Speaker Guangzhou Medical University	A novel interferon stimulated gene GALNT2 is required to restrict respiratory virus infections	
15:40-16:05	Zhengli Shi Invited Speaker Guangzhou Laboratory	Swine acute diarrhea syndrome coronavirus (SADS-CoV)-like viruses in bats show genetic diversity and pathogenicity in suckling mice and piglets	
16:05-16:25	Coffee Break		
S6: Viral Pathogenesis and Evolution S5: Virus–Host Interactions			
16:25-16:40	Fengmin Lu Peking University	Hepatitis B Virus SP1circle DNA generated from SP1 double-strand linearized DNA could promote HBV replication	Ke Peng
16:40-16:55	Qiwei Zhang Jinan University	Seven-Decade Epidemics of Human Adenovirus Types 7 and 55: From Children to Adults	
16:55-17:10	Saguna Verma University of Hawaii	Mpox virus infection in 2D and 3D organoid models of human testicular cells: Implications in sexual transmission	
17:10-17:25	Lihong Liu Wuhan University	Functional Landscape of Clade 1 Sarbecovirus Spike Cytoplasmic Tail Motifs	
17:25-17:40	Pan Pan Guangzhou Medical University	Exploring the molecular mechanism underlying the differences in replication of human coronaviruses based on the interaction between M and HSPA1A	
18:00-19:00	Dinner Break Venue: Yangtze Hall		
19:00-21:00	Poster Session Venue: Qintai Hall Foyer		

Day 2 - Saturday, 1 November 2025			
Venue: Jingchu Hall (Time: 08:30 - 17:50) Venue: Qintai Hall (Time: 14:00 - 17:45)			
The World Flu Day 2025 Symposium Pandemic Preparedness: Stop Avian Flu Host Jumping			
Time	Speaker	Contents	Moderator
08:30-08:40	Opening Ceremony Address Hongbing Shen, National Health Commission of the People's Republic of China Nanshan Zhong, Guangzhou Laboratory		Jun Liu
08:40-09:10	George Fu Gao Keynote Speaker Institute of Microbiology, CAS	Pandemic Preparedness: Taking action for Emerging Infections	Yuhai Bi
09:10-09:40	Stanley Perlman Keynote Speaker University of Iowa	Neurological PASC in humans and mice	
09:40-10:00	Coffee Break		
10:00-10:25	Wenqing Zhang Invited Speaker WHO	Preparing for the Next Influenza Pandemic: Current Situation and Strategic Priorities	Gulyaeva Marina
10:25-10:50	Ren Sun Invited Speaker Westlake University	Systematic identification of immune evasion functions of influenza virus, enabling precision design of broad-spectrum vaccines	
10:50-11:15	Lijun Rong Invited Speaker The University of Illinois	Mechanistic Studies of Small Molecule Inhibition of Hemagglutinin in Influenza A Virus Entry	Ke Xu
11:15-11:40	Deyin Guo Invited Speaker Guangzhou National Laboratory	Development of broad-spectrum antiviral drugs against RNA viruses with pandemic risk	
11:40-12:05	Shuofeng Yuan Invited Speaker The University of Hong Kong	Dissecting the host-virus interface for broad-spectrum antiviral therapy	
12:20-14:00	Lunch Break Venue: Yangtze Hall		
Parallel Session 3 Venue: Jingchu Hall 14:00-17:35			
14:00-14:25	Jianming Hu Invited Speaker The Pennsylvania State University	Towards An Immunocompetent Small Animal Model For Hepatitis B Virus Infection	Fan Zhu
14:25-14:50	Xuefeng Liu Invited Speaker The Ohio State University	Non-canonical functions of telomerase in viruses-associated cancer	
14:50-15:15	Weifeng Shi Invited Speaker Shanghai Jiao Tong University	Ecological and zoonotic risk landscape of small mammal-borne viruses, China	
S1: General Topics in Virology S2: Antiviral Therapeutics and Innate Immunity			
15:15-15:30	Dahai Luo Nanyang Technological University	Molecular Architecture of the Chikungunya Virus Replication Complex	Haiyan Zhao
15:30-15:45	Xuping Jing Wuhan Institute of Virology, CAS	A 12-residue substructure mediates initiation-elongation transition in Lassa virus polymerase	

15:45-16:00	Yuebao Li Peking University	A Conserved G-quadruplex in HEV Negative-Stranded RNA Promotes Viral Replication via RNA Stabilization	
16:00-16:20	Coffee Break		
16:20-16:35	Ivan Sobolev Federal Research Center of Fundamental and Translational Medicine	Highly Pathogenic Avian Influenza H5N1 Associated with Mass Mortality of Pinnipeds in the Sea of Okhotsk, North Pacific	Haiyan Zhao
16:35-16:50	Yee-Joo Tan National University of Singapore	Developing anti-nucleocapsid monoclonal antibodies binding to highly conserved epitopes in multiple bat-borne beta-coronaviruses to facilitate early detection of zoonotic spillover	
16:50-17:05	Jonathan Burnie Harvard University	Employing Flow Virometry for Precision Phenotyping of Coronavirus Spike Proteins at the Single-Virus Level	
17:05-17:20	Qian Wang Wuhan University	Lessons from Recent Studies on COVID-19 mRNA Vaccines	
17:20-17:35	Yan Gao ShanghaiTech University	Mechanism of Monkeypox Virus Substrate Recognition Provides a Basis for Antiviral Design	
17:35-17:50	Jianjian Ji Nanjing University of Chinese Medicine	AI-guided Discovery of Isochlorogenic Acid B as a Multi-target RSV Inhibitor Blocking Viral Attachment, Membrane Fusion and Transcription with in vivo Efficacy	
18:00-19:00	Dinner Break Venue: Yangtze Hall		
Parallel Session 4 Venue: Qintai Hall 14:00-17:45			
14:00-14:25	Yunlong Cao Invited Speaker Changping Laboratory	IGHV3-53 antibody abundance drives divergent SARS-CoV-2 immune imprinting	Xi Zhou
14:25-14:50	Mingzhou Chen Invited Speaker Hubei University	A Synthetic System for RNA-responsive Pyroptosis Based on Type III-E CRISPR Nuclease-Protease	
14:50-15:15	Xueshan Xia Invited Speaker Kunming Medical University	Research on Pathogen Genetic Diversity and Application Transformation in Southwest China	
15:15-15:40	Rong Zhang Invited Speaker Fudan University	Identification of the entry receptor for a zoonotic orthobunyavirus	
15:40-16:00	Coffee Break		
S2: Antiviral Therapeutics and Innate Immunity			
16:15-16:30	Chaohui Lin Westlake University	Elucidating the Characteristics and Clonal Evolutionary Trajectory of Influenza Neuraminidase Broadly Reactive B Cell	Binbin Ding
16:30-16:45	Xingguang Liu Naval Medical University	Viral Infection Triggers an RBM22-Dependent Splicing Switch to Suppress Fatty Acid Biosynthesis and Dampen Alveolar Macrophage Renewal	
16:45-17:00	Manli Wang Wuhan Institute of Virology, CAS	Elucidating a Key Virulence Factor of Crimean-Congo Hemorrhagic Fever Virus and Developing Antiviral Therapeutics	
17:00-17:15	Rongrong Liu Fourth military medical university	NLRC5-Mediated MHC-I Dysregulation and CD8*T Cell Exhaustion in HTNV Infection	
17:15-17:30	Kuanhui Xiang Peking University	Viral infection and stem cell immunity	
17:30-17:45	Shenghua Gao Shandong University	Revolutionizing Anti-HIV Therapy: Targeted Degradation of Capsid by Host-Hijacking PROTAC Overcomes Drug Resistance	
18:00-19:00	Dinner Break Venue: Yangtze Hall		

19:00-21:00	Poster Session Venue: Qintai Hall Foyer
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Day 3 - Sunday, 2 November 2025 Venue: Jingchu Hall (08:30 - 17:15)			
Time	Speaker	Contents	Moderator
08:30-09:00 (EDT 20:30-21:00)	Susan R. Weiss Keynote Speaker (Virtual) University of Pennsylvania	Coronavirus activation and antagonism of interferon signaling pathways	Qian Wang
09:00-09:25 (EDT 21:00-21:25)	Zhi-Ming Zheng Invited Speaker (Virtual) National Institutes of Health	HPV, lncRNA and innate immunity	
09:25-09:50 (EDT 21:25-21:50)	Daniel DiMaio Invited Speaker (Recorded Talk) Yale University	Cell biological, structural, and genetic analysis of human papillomavirus entry	
09:50-10:15 (EDT 21:50-22:15)	Sonja Best Invited Speaker (Virtual) National Institutes of Health	Beyond retroviruses: new effector functions for the antiviral restriction factor, TRIM5	
10:15-10:40	Ke Peng Invited Speaker Wuhan Institute of Virology, CAS	Viral necrosome drives severe inflammation	
10:40-11:00	Coffee Break		
S5: Virus–Host Interactions			
11:00-11:15	Haibin Liu Wuhan Institute of Virology, CAS	PATZ1 Condensation Adjacent to PML Nuclear Bodies Suppresses HBoV Transcription as an Intrinsic Antiviral Defense	Liang Cheng
11:15-11:30	Lei Shi Lanzhou Veterinary Research Institute, CAAS	Mechanistic Study on the Formation of Double-Membrane Vesicles During Animal Coronavirus Replication	
11:30-11:45	Shuying Chen Chongqing Medical University	MICAL1 Enhances Actin Polymerization to Promote Respiratory Syncytial Virus Infection in Alveolar Epithelial Cells	
11:45-12:00	Hua Zhang Sun Yat-sen University	Desmocollin 2 is a dominant entry receptor for Epstein–Barr virus infection of epithelial cells	
12:20-14:00	Lunch Break Venue: Yangtze Hall		
S5: Virus–Host Interactions			
14:00-14:15	Chaohong Liu Huazhong University of Science and Technology	The mechanism study of different immune response between SARS-CoV-2 infection and vaccination	Ying Wu

14:15-14:30	Yuchen Xia Wuhan University	Endonuclease G Targets Hepatitis B Virus minichromosome During Mitotic Vulnerability	
14:30-14:45	Yuling Han Institute of Zoology, CAS	Human organoid models to study SARS-CoV-2 infection	
14:45-15:00	Xiaoli Xiong Guangzhou Institutes of Biomedicine and Health, CAS	Determinants Underlying High-Affinity ACE2 Receptor Engagement by Sarbecoviruses	
15:00-15:15	Qiang Ding Tsinghua University	ZIKV NS5-Mediated STAT2 Degradation as a Determinant of Immune Evasion and Pathogenicity	
15:15-15:30	Weikang Sun Nanjing University	RNA-binding protein PTBP1 mediates HSV-1 attachment and infection through splicing regulation of heparan sulfate 3-O-sulfotransferase genes	
15:30-15:50	Coffee Break		
15:50-16:05	Liran Fu Wuhan University	Evolved into a transporter: How the HIV capsid delivers a (viral) genome into the nucleus	Shi Liu
16:05-16:20	Yifan Xie Zhejiang University	The condensation of nsP3-FXR facilitates alphavirus replication: targeting biomolecular condensates as an antiviral strategy	
16:20-16:35	Jiwei Ding Institute of Medicinal Biotechnology, CAMS	Schlafen 11 Reshapes the CRM1 Nuclear Export Complex to Inhibit the Translation of HIV and Host mRNAs	
16:35-16:50	Shuijun Zhang Nanjing Agricultural University	Molecular mechanisms of cross-species receptor recognition by animal coronaviruses	
16:50-17:05	Closing Ceremony		Ke Lan