

The 11th Wuhan International Symposium on Modern Virology & Viruses 2025 Conference

30 October–2 November 2025 | Wuhan, China

List of Posters

Order	Sciforum-ID	Session	Presenter	Poster Title
1	sciforum-118751	S1. General Topics in Virology	Ioannis Adamopoulos	Applying the Theory of Graph Techniques for Predicting and Analyzing COVID-19 Infection Mechanisms
2	sciforum-123648	S1. General Topics in Virology	Luzhao Li	Transmission Routes of Cluster 3 Tembusu Virus in Ducks and Chickens
3	sciforum-144933	S1. General Topics in Virology	Ahmed Ghonaim	Genomic Characterization and Pathogenicity of Porcine G9P[23] and Bovine G6P[1] Rotavirus A Isolates: Insights into Cross-Species Transmission and Murine Infection Dynamics
4	sciforum-145436	S1. General Topics in Virology	Ruba Chakma	Seroprevalence and Risk Factors of Hepatitis E Virus Infection Among People Living with HIV in Chiang Mai, Thailand: A Cross-Sectional Study
5	sciforum-148250	S1. General Topics in Virology	Ahmad Alshehri	A Global Meta-Analysis of Recent Prevalence of West Nile Virus in Non-human Mammals
6	sciforum-148536	S1. General Topics in Virology	Xu Kesha	Visualizing a minimal DNA virus
7	sciforum-148591	S1. General Topics in Virology	Hongying Chen	Discovery of a novel clade of double-stranded DNA viruses associated with ant labial gland disease
8	sciforum-148605	S1. General Topics in Virology	Yanan Cai	Discovery and Identification of a Novel Puumala Virus by wild rodents in Hebei Province, China
9	sciforum-148663	S1. General Topics in Virology	Shuxia Xue	A molecular epidemiological investigation of CsPaV using TaqMan probe-based quantitative PCR in China
10	sciforum-148665	S1. General Topics in Virology	Xunhua Zhu	An Outbreak of Human Metapneumovirus B2 Genotype in Children from December 2024 to April 2025, Shanghai, China
11	sciforum-148839	S1. General Topics in Virology	Songmei Liu	CRISPR/Cas12b-2M assisted loop-mediated isothermal amplification for convenient, rapid and visualized detection of SFTSV virus RNA in one-pot
12	sciforum-149180	S1. General Topics in Virology	Wen-Hua Kong	An Expanded Surveillance Network of Respiratory Pathogens in Wuhan: Analysis of 2024 Results
13	sciforum-149375	S1. General Topics in Virology	Kirill Sharshov	Genetic Patterns of Siberian Avian Influenza Viruses Indicate a Global Hub in Northern Asia
14	sciforum-149435	S1. General Topics in Virology	Wancen Liang	A Survey on the HIV Awareness Status and Influencing Factors among College Students in Shanxi Province
15	sciforum-129171	S2. Antiviral Therapeutics and Innate Immunity	Wenshi Wang	Multimodal characterization of the responsiveness of eight hepatitis D virus genotype isolates to interferon-alpha treatment
16	sciforum-133544	S2. Antiviral Therapeutics and Innate Immunity	Wen Wang	Hepatitis E Virus ORF1 Polypeptide Harbors a Pocket-like Cavity that is Vital for Virus Replication and Represents a Novel Antiviral Target
17	sciforum-146154	S2. Antiviral Therapeutics	Haojie Ren	The molecular mechanisms underlying African swine fever virus mediated inhibition of host antiviral immunity

		and Innate Immunity		
18	sciforum-146533	S2. Antiviral Therapeutics and Innate Immunity	Muhammad Waqas	Andrographis paniculata Nanoparticles Enhance Innate Immunity and Exhibit Potent Antiviral Effects in a Murine Influenza Model
19	sciforum-146566	S2. Antiviral Therapeutics and Innate Immunity	Yao Ge	Coronavirus nucleocapsid protein manipulates mitophagy to restrain host innate immunity via SQOR blockade and non-canonical ILF3 degradation
20	sciforum-146797	S2. Antiviral Therapeutics and Innate Immunity	Liu Yawen	Development of the MS2 phage-based multivalent coronavirus vaccine
21	sciforum-147873	S2. Antiviral Therapeutics and Innate Immunity	Sen Zhang	A Novel Attenuated and Marker M. bovis-BoAHV-1 Combined Vaccine Provides Broad Protection Against Diverse Bovine Alpha herpesvirus Type 1 Genotypes
22	sciforum-148096	S2. Antiviral Therapeutics and Innate Immunity	Chao Cheng	Nucleic acid aptamers for human norovirus GII.4 and GII.17 virus-like particles (VLPs) exhibit specific binding and inhibit VLPs from entering cells
23	sciforum-148124	S2. Antiviral Therapeutics and Innate Immunity	Xiaowen Liang	The Antiviral Efficacy of Pralatrexate against Human Adenovirus B55 in a 3D Lung Organoid Model
24	sciforum-148589	S2. Antiviral Therapeutics and Innate Immunity	Can Cao	Dual-Action of Emodin against Coronaviruses: Antagonizing DPP4-Mediated Neuroinvasion and Suppressing NSP15-Driven Replication
25	sciforum-148593	S2. Antiviral Therapeutics and Innate Immunity	Liu Xia, Yang Yang, Wang Xiang	Discovery and Optimization of Natural Product-Derived Lead Compounds Targeting NS4B for Broad-Spectrum Antiviral Activity Against Dengue Virus
26	sciforum-148620	S2. Antiviral Therapeutics and Innate Immunity	Yuanyuan Wang	Dual Antimicrobial and Anti-inflammatory Actions of Cepharanthine in Mycoplasma pneumoniae Pneumonia via P1 Protein and TNF- α ; Targeting
27	sciforum-148724	S2. Antiviral Therapeutics and Innate Immunity	Haiyong Jia	Design, synthesis, and biological evaluation of novel benzamide derivatives as HBV capsid assembly modulators
28	sciforum-148952	S2. Antiviral Therapeutics and Innate Immunity	Yutong Liang	Corosolic Acid from Terminalia chebula Attenuates RSV Infection by Targeting a Novel Host Factor and Suppressing JAK2-STAT3 Signaling
29	sciforum-148956	S2. Antiviral Therapeutics and Innate Immunity	Liu Qiuyu	ZCCHC3 Modulates Antiviral Defense and RNA Homeostasis by Inducing Stress Granules Assembly
30	sciforum-148987	S2. Antiviral Therapeutics and Innate Immunity	Xingwen Yang	Anticodon Engineered Transfer RNA (tRNASUAG) Inhibits Hepatitis B Virus Replication by Promoting the Degradation of Core Protein
31	sciforum-149008	S2. Antiviral Therapeutics and Innate Immunity	Lexi Li	High-Throughput Screening and Identification of Inhibitors Against Human Adenovirus Type 7 from an FDA-Approved Drug Library

32	sciforum-149109	S2. Antiviral Therapeutics and Innate Immunity	Xiaobing He	Exogenous cGAMPs protect against Pseudorabies virus infection
33	sciforum-149169	S2. Antiviral Therapeutics and Innate Immunity	Guangrui Chen	Theaflavin-3'-gallate and theaflavin-3,3'-digallate Inhibit Respiratory Syncytial Virus by Targeting MAVS and Regulating the Type I Interferon Pathway
34	sciforum-149311	S2. Antiviral Therapeutics and Innate Immunity	Yun Wang	Comparative Characterization of Two Distinct Vaccinia Virus Tiantan Strains Exhibiting Marked Differences in Pathogenicity
35	sciforum-149380	S2. Antiviral Therapeutics and Innate Immunity	Shuyi Song	SENP5 enhances antiviral innate immunity by mediating AURKA-dependent STAT2 phosphorylation
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37	sciforum-149512	S2. Antiviral Therapeutics and Innate Immunity	Rongrong Liu	Preparation and Preliminary Implementation of Monoclonal Antibodies Directed Against the Hantaan Virus Gn Envelope Glycoprotein
38	sciforum-149513	S2. Antiviral Therapeutics and Innate Immunity	Tingting Zhang	Study on the mechanism of phosphatidylserine regulating IFNAR2 ubiquitination and IFN antiviral activity
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50	sciforum-145514	S5. Virus–Host Interactions	Shuyi Gan	Cellular RNA Surveillance Machinery Controls Alphavirus Infection through Distinct Mechanisms
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82	sciforum-149555	S6. Viral Pathogenesis and Evolution	Shiyuan Hou	Study on the Inhibition of Hantaan Virus Infection by Artificial Intelligence-Designed Antimicrobial Peptides
83	sciforum-149564	S6. Viral Pathogenesis and Evolution	Rongrong Liu, Xingan Wu, Ziyu Liu	Focused Ultrasound-Mediated Blood-Brain Barrier Opening in the Olfactory Bulb for Establishing a Mouse Model of Herpes Simplex Virus Encephalitis
84	sciforum-149277	S2. Antiviral Therapeutics and Innate Immunity	Lihong Zhang	In vitro inhibition of human adenovirus replication by the antifolate drug Raltitrexed

85	sciforum-148792	S5. Virus–Host Interactions	Yuxin Zhang	The P132H mutation of SARS-CoV-2 NSP5 relieves its inhibition on interferon- β activation via blocking MAVS degradation
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