

VIII Russia-China

Infectious Disease Forum

November 18–19

2025

Smorodintsev Research Institute of Influenza,
Saint Petersburg, Russia



VIII Russia-China Infectious Disease Forum

Day 1

November 18, 2025 (Tuesday)

10:00 – 10:15

Opening Ceremony:

- Welcome from the MoH Russian Federation
- Welcome from the Chinese Delegation
- Welcome from Smorodintsev Research Institute of Influenza
- Welcome from Consulate General of China in St. Petersburg

10:15 – 11:35

Session 1: Influenza and Other Respiratory Infections

Moderators:

Dayan Wang, Daria Danilenko

10:15 – 10:35

Progress on prevention and control of influenza

Dayan Wang

Professor, Director of National Influenza Center, National Institute for Viral Disease Control and Prevention, China CDC

10:35 – 10:55

Integrated surveillance of Pneumoviruses in the Russian Federation

Daria Danilenko

Smorodintsev Research Institute of influenza

10:55 – 11:15

Genomic investigation of macrolide-resistant *Mycoplasma pneumoniae* based on targeted capture sequencing: an epidemiological study in China 2023-2024

Beibei Wu

Professor, Director, Department of Microbiology, Zhejiang CDC

11:15 – 11:35

Novel details of SARS-CoV-2 evolution revealed by studying mutation dynamics in its replication-transcription complex

Andrey Palyanov

A.P. Ershov Institute of Informatics Systems SR RAS;

Research Institute of Virology FSBSI "Federal Research Center of Fundamental and Translational Medicine"

11:35 – 12:00

Group Photo and Coffee Break

12:00 – 13:20

Session 1 (continued): Influenza and Other Respiratory Infections

Moderators:

Dayan Wang, Andrey Vasin

12:00 – 12:20

Exploring the protective role of recombinant interferon lambda in the mixed influenza and bacterial infection in vivo

Andrey Vasin

Institute of Biomedical Systems and Biotechnologies Peter the Great St Petersburg Polytechnic University; Smorodintsev Research Institute of Influenza

12:20 – 12:40

Analysis of the SARS-CoV-2 pandemic dynamics as a tool for the future pandemic threats preparedness

Natalya Palyanova

Research Institute of Virology FSBSI "Federal Research Center of Fundamental and Translational Medicine"

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12:40 – 13:00

Genetic diversity of respiratory adenoviruses circulating in the Russian Federation
Maria Pisareva
Smorodintsev Research Institute of influenza

13:00 – 13:20

Molecular epidemiology of respiratory viruses in hospitalized children in Novosibirsk, Russia
Olga Kurskaya
Research Institute of Virology of the "Federal Research Center of Fundamental and Translational Medicine"

13:20 – 14:30

Lunch

Session 2: Zoonotic Influenza and Other Respiratory Infections

14:30 – 15:50

Moderators:
Alexander Shestopalov, Daria Danilenko

14:30 – 14:50

Results of monitoring studies of low-pathogenic avian influenza in the Russian Federation in 2023-2025
Dmitry Andreychuk
Federal Centre for Animal Health

14:50 – 15:10

Genetic diversity and molecular analysis of human parainfluenza virus, circulating in Saint Petersburg, Russia, between 2017 and 2025
Oula Mansour
Smorodintsev Research Institute of influenza

15:10 – 15:30

Identification of respiratory PHEV coronavirus in swine industrial farming in Russia
Artem Fadeev
Smorodintsev Research Institute of influenza

15:30 – 15:50

Highly pathogenic avian influenza H5N1 associated with mass mortality of pinnipeds in the sea of Okhotsk, North Pacific
Marina Gulyaeva, Alexander Shestopalov
Institute of Virology, Federal Research Centre of fundamental and Translational Medicine

15:50 – 16:20

Coffee Break

Session 3: Diagnostics, treatment and prophylaxis of acute respiratory viral infections

16:20 – 17:30

Moderators:
Mariia Sergeeva, Sevastyan Rabdano

16:20 – 16:40

Development of diagnostic influenza viruses for measuring neuraminidase inhibiting antibodies against influenza B viruses of both genetic lineages
Wong Pei Fong
Institute of Experimental medicine

16:40 – 17:00

R&D and preclinical studies of vaccine against HPAI H5
Mariia Sergeeva
Smorodintsev Research Institute of influenza

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17:00 – 17:20

Trivalent seasonal influenza vaccine: R&D, manufacture and WHO prequalification

Sevastyan Rabdano

Saint Petersburg Scientific Research Institute of Vaccines and Serums of the Federal Medical and Biologic Agency of Russia (SPbSRIVS)

17:20 – 17:40

Rapid diagnostic tests for current respiratory viral infections

German Khunteev

LLC RapidBio

17:40 – 17:50

Discussion And Wrap-Up of Day 1

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Day 2

November 19, 2025 (Wednesday)

Session 4: Broad-Spectrum Antivirals: From Research to Clinical Applications

offline + online: https://m.vkvideo.ru/video-129779048_456239048

8:30 – 10:30

Moderators:

Prof. Dmitry Lioznov,

Smorodintsev Research Institute of Influenza, St. Petersburg, Russia

Assoc. Prof. Artem Poromov,

RUDN University, Mechnikov Research Institute of Vaccines and Sera, Moscow, Russia

8:30 – 8:35

Introduction and Welcome from Smorodintsev Research Institute of Influenza

8:35 – 8:50

Molecular mechanisms of antivirals functioning: the Arbidol case study

Prof. Maria Khrenova

Chemistry Department of Moscow State University; Fundamental Research Centre of Biotechnology of RAS

8:50 – 9:05

The perspectives of human influenza and avian influenza in China

Prof. Zifeng Yang

Research Fellow First Affiliated Hospital Of Guangzhou Medical University, Guangzhou, China

9:05 – 9:20

Fighting Respiratory Viral Infections: Antivirals-Where Are We and What We Have Learned

Prof. Irina Leneva

Mechnikov Research Institute of Vaccines and Sera, Moscow, Russia

9:20 – 9:35

Advances of broad-spectrum antivirals in acute rotavirus gastroenteritis treatment

Prof. Konstantin Ermolenko

Federal Research and Clinical Center for Infectious Diseases under the Federal Medical Biological Agency, St. Petersburg, Russia

9:35 – 9:50

Management of ARVI and influenza in Russia: laboratory diagnostics and antivirals

Prof. Natalia Pshenichnaya

FBSI "Central Research Institute of Epidemiology" Rospotrebnadzor, Moscow, Russia

9:50 – 10:15

Antiviral therapy of influenza in out-patients with high risk of complications in routine clinical practice

Prof. Dmitry Lioznov

Smorodintsev Research Institute of Influenza, St. Petersburg, Russia

10:15 – 10:30

Discussion

10:30 – 11:00

Coffee Break

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Session 5: TB

11:00 – 12:20

Moderators:

Xiaoqiu Liu, Platon Eliseev

11:00 – 11:20

Progress on tuberculosis control in China

Xiaoqiu Liu

Professor, Director of the M&E Department, Center for Tuberculosis Control and Prevention, China CDC

11:20 – 11:40

TB elimination in the Russian Federation: Achievements and Challenges

Vadim Testov

National Medical Research Center for Phthisiopulmonology and Infectious Diseases

11:40 – 12:00

Signaling molecules: Role in development of life-time personalized diagnostics of socially significant respiratory pathology

Igor Kvetnoy

Center of Molecular Biomedicine, Saint-Petersburg Research Institute of Phthisiopulmonology

12:00 – 12:20

Cartridge-based technology for mycobacterial infections: new opportunities for early diagnosis and antibiotic resistance testing

Platon Eliseev

National Medical Research Center for Phthisiopulmonology and Infectious Diseases

12:20 – 12:50

Coffee Break

Session 6: HIV

12:50 – 14:10

Moderators:

Li Dan, Andrey Kozlov

12:50 – 13:10

Research on immunoregulatory mechanisms and prevention strategies of HIV

Li Dan

Professor, Division of Virology and Immunology, National Center for AIDS/STD Control and Prevention, China CDC

13:10 – 13:30

Next-generation sequencing for a large-scale monitoring of HIV-1 subtypes and intersubtype recombinant forms diversity and drug resistance mutations in the regions of Russian Federation

Alexey Masharskiy

Smorodintsev Research Institute of Influenza, Saint Petersburg

13:30 – 13:50

Clinical trials of therapeutic DNA vaccine targeted to destroy endogenous HIV reservoirs and of its possible protein booster P17

Andrey Kozlov

Biomedical Center

13:50 – 14:10

Clinical and immunological characteristics of the course of covid-19 in HIV-positive patients

Olga Pobegalova

First Pavlov State Medical University of St. Petersburg

14:10 – 15:20

Lunch

Session 7: Infectious Disease Modelling

15:20 – 16:40

Moderators:

Yan Niu, Ali Darwish

15:20 – 15:40

Infectious disease modeling and its application in emergencies response

Yan Niu

Associate Professor, Public Health Emergency Center, China CDC

15:40 – 16:00

Integrating machine learning with hybrid and surrogate models to accelerate multiscale modeling of acute respiratory infections

Maria Koshkareva

ITMO University

16:00 – 16:20

Modeling research for infectious disease prediction and early warning with digital intelligent applications in Zhejiang province, China

Wu Haocheng

Associate Professor, Deputy Director, Department of Public Health Surveillance and Advisory, Zhejiang CDC

16:20 – 16:40

Application of machine learning-based surrogates in reducing computational costs of agent-based modeling of respiratory infection spread

Ali Darwish

ITMO University

16:40 – 17:00

Discussion and Closing Remarks

