



**Ministry of Health of the Russian Federation
Smorodintsev Research Institute of Influenza**

TRENDS IN INFLUENZA RESEARCH – 2023

CONFERENCE PROGRAM

October 3-4, 2023
online

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TRENDS IN INFLUENZA RESEARCH – 2023

October 3-4



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OCTOBER 3, 2023 | DAY 1

ONLINE

12:00-12:10

OPENING CEREMONY

- welcome from the WHO country office
- welcome from the MoH
- welcome from Smorodintsev RII

12:10-12:40

OPENING TALK

George Gao,

Institute of Microbiology,

Center for Influenza Research and Early-warning (CASCIRE),

Chinese Academy of Sciences–The World Academy of Sciences Center of Excellence

for Emerging Infectious Diseases,

Chinese Academy of Sciences,

Beijing, China



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OCTOBER 3, 2023 | DAY 1

ONLINE

12:40-13:00

COUPLING INFLUENZA SURVEILLANCE AND COVID-19 PANDEMIC RESPONSE

Moderator:

Daria Danilenko

12:40-13:00

The health of influenza surveillance and pandemic preparedness in the wake of the COVID-19 pandemic

Dr. John McCauley,

Francis Crick Institute (TBC)

13:00-13:20

Influenza and SARS-CoV-2 circulation during three years of COVID-19 pandemic in the European Region

Dr. Richard Pebody,

*Programme area Manager, WHE/IHM,
WHO EURO*

13:20-13:40

Etiology of acute respiratory viral infections in children in Novosibirsk during the COVID-19 pandemic

Teresa Saroyan,

*Institute of Virology, Federal Centre
of Fundamental and Translational Medicine*

13:40-14:00 COFFEE BREAK



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OCTOBER 3, 2023 | DAY 1

ONLINE

14:00-15:30

EVOLUTION OF INFLUENZA AND OTHER RESPIRATORY PATHOGENS

Moderator:

Andrey Komissarov

14:00-14:20

Evolution of highly pathogenic influenza
A viruses in China (TBC)

Yuhai Bi,

*Institute of Microbiology, Center for Influenza
Research and Early-warning (CASCIRE),
Chinese Academy of Sciences–The World
Academy of Sciences Center of Excellence
for Emerging Infectious Diseases, Chinese
Academy of Sciences, Beijing, China*

14:20-14:40

Ensuring quality of modeling
of ARI dynamics: uncertainty quantification
and multidisciplinary collaboration

Vasily Leonenko,

*Smorodintsev Research Institute of Influenza,
ITMO University*

14:40-15:00

Genetic diversity of the avian influenza
virus in the Asian part of Russia as
a factor in the evolution of influenza
viruses in Eurasia

Kirill Sharshov,

*Institute of Virology, Federal Centre
of Fundamental and Translational Medicine*

15:00-15:20

*The epidemic of SARS-CoV-2 in Siberian
Federal District in 2020-2022*

Natalia Palyanova,

*Institute of Virology, Federal Centre
of Fundamental and Translational Medicine*

15:20-15:40

«GISAID as a leading tool enabling rapid
and open access to epidemic and pandemic
virus data»

Chat with **Peter Bogner,**

President of GISAID

15:40-16:00 COFFEE BREAK



OCTOBER 3, 2023 | DAY 1

ONLINE

16:00-17:00

EVOLUTION OF INFLUENZA AND OTHER RESPIRATORY PATHOGENS

Moderator:

Daria Danilenko

16:00-16:20

Effect of slow evolutionary changes in SARS-CoV-2 N-protein on its antigenic and immunogenic properties

Alexandra Rak,

*Institute of Experimental Medicine,
Russia*

16:20-16:40

How to catch the escaping virus

Andrey Egorov,

*Smorodintsev Research Institute
of Influenza*

16:40-17:00

Cellular exosomes and influenza virus interplay

Andrey Vasin,

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

17:00-17:10

WRAP UP DAY 1



OCTOBER 4, 2023 | DAY 2

ONLINE

12:00-13:20

VIRUS EVOLUTION AND VACCINE DEVELOPMENT

Moderator:

Daria Danilenko

12:00-12:20

Open label study of COVID-19 protection correlates among vaccinees during delta and omicron lineages circulation in St Petersburg, Russian Federation

Mariia Sergeeva,

Smorodintsev Research institute of Influenza

12:20-12:40

Genomic epidemiology of the of SARS-CoV-2 variants in Russia

Galya Klink,

A.A. Kharkevich Institute for Information Transmission Problems of the Russian Academy of Sciences

12:40-13:00

Nanoparticles formed by an artificial self-assembling peptide carrying conservative Influenza A virus antigens and a universal T-helper epitope as the basis for a new influenza vaccine

Anna Zykova,

Research Center of Biotechnology of the Russian Academy of Sciences, Moscow, Russia

13:00-13:20

Experimental in vivo data on the development of candidate vaccines against seasonal influenza A and B viruses using mRNA technology

Elena Mazunina,

Gamaleya National Centre for epidemiology and microbiology, Russia

13:20-13:40 COFFEE BREAK



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OCTOBER 4, 2023 | DAY 2

ONLINE

13:40-14:40

PREVENTION, TREATMENT AND CLINICAL ASPECTS

Moderator:

Daria Danilenko

13:40-14:00

Development of specific inhibitors with broad antiviral activity

Vladimir Gushchin,

Gamaleya National Centre for Epidemiology and Microbiology

14:00-14:20

The impact of repeated seasonal influenza vaccination on adaptive immune response

Anna-Polina Shurygina,

Smorodintsev Research institute of Influenza

14:20-14:40

Unveiling the Significance of Morphological Studies in Understanding Viral Infection Pathogenesis

Vsevolod Zinserling,

Botkin Infectious Hospital

14:40-14:45

WRAP UP DAY 2

14:45-14:50

CLOSING REMARKS