Research Institute
of Virology

Federal Research Center
for Fundamental and
Translational Medicine

VII International scientific conference

"The Impact of Climate Change on Biological Diversity and the Spread of Viral Infections of Animals in Eurasia"

21 – 23 of October 2025

Novosibirsk

The program of VII International scientific conference "The Impact of Climate Change on Biological Diversity and the Spread of Viral Infections of Animals in Eurasia"

Dear colleagues! Online Zoom stream starts at 10:00 AM in Novosibirsk

21 October		**PLENARY SECTION: Virology Hot Spots** Moderators: : Alexander M. Shestopalov	
Venue: FRC FTM, Novosibirsk, Timakova st., 2, White Hall (room 215)			
	Time	**Speaker**	**Participation / Title**
	10-00	Registration of participants, testing of presentations	
	10-30	**Opening Ceremony: Alexander M. Shestopalov** Research Institute of Virology of FRC FTM, Novosibirsk, Russia	
1	10-40	Kirill A. Sharshov Research Institute of Virology of FRC FTM, Novosibirsk, Russia	Studies on viral metagenomics in Siberian birds
2	11-00	George M. Ignatyev the I.I. Mechnikov Research Institute for Vaccines and Sera, Moscow, Russia	Chikungunya virus - from mosquito to vaccine
3	11-20	Ivan A. Sobolev Research Institute of Virology of FRC FTM, Novosibirsk, Russia	Highly Pathogenic Avian Influenza A/H5N1 Clade 2.3.4.4b Virus from Pinnipeds, Tyuleniy Island, Sea of Okhotsk, Russia
4	11-40	Takahiro Hiono Hokkaido University, Sapporo, Japan	The first detection of high pathogenicity avian influenza viruses from sea mammals in Japan
	12-00	Coffee break	
5	12-20	Jianjun Chen Wuhan Institute of Virology, Chinese Academy of Sciences, China	Re-emergence of Highly Pathogenic Avian Influenza A(H5N1) Clade 2.3.4.4b Virus in Qinghai Lake, China, 2024
6	12-40	Wan-Chen Li Veterinary Research Institute, Ministry of Agriculture, Taipei, Taiwan	Surveillance of Avian Influenza in Wild Birds and Phylogenetic Analysis of H10 Viruses in Taiwan
7	13-00	Jing Yang Institute of Microbiology, Chinese Academy of Sciences, China	Genetic evolution, spread pattern, and zoonotic risks of H9N2 and H5Ny avian influenza viruses
8	13-20	Xinru Lyu Northeast Forestry University, Harbin, China	Transmission Dynamics of Avian Influenza Viruses Between China and Russia

9	13-40	Dmitry A. Zhirov Research Institute of Virology of FRC FTM, Novosibirsk, Russia	Detection of astroviruses in wild birds of the Far East
	14-00	Lunch	Group Photo
10	15-00	Kira Kudrya "Smorodintsev Research Institute of Influenza", St. Petersburg, Russia	R&D and preclinical studies of vaccine against HPAI H5
11	15-20	Liu Di Wuhan Institute of Virology, Chinese Academy of Sciences, China	Respiratory infection in Children
12	15-40	Guy Petherbridge Caspian Centre for Nature Conservation, Institute of Ecology and Sustainable Development, Dagestan State University , Russia	The Caspian Basin as a Nexus of Environmental Change, Biodiversity Threat and Global Viral Pathogen Dissemination
SECTION: Modern approaches and data analysis in virology Moderators: Andrey Yu. Palyanov Venue: FRC FTM, Novosibirsk, Timakova st., 2,White Hall (room 215)			
13	16-00	Andrey Yu. Palyanov A.P. Ershov Institute of Informatics Systems, Novosibirsk, Russia	Mutation dynamics in replication-transcription complex of SARS-CoV-2
14	16-20	Mikhail Yu. Biryukov ICG SB RAS, Novosibirsk, Russia	Extraction of endogenic viral structures in genome assemblies based on protein conservative domain search
	16-40	Coffee break	
15	17-00	Ayanfeoluwa Alabetutu Research Institute of Virology of FRC FTM, Novosibirsk, Russia	Review: Computational Forecasting of Influenza Virus Evolution: Integrating Genomic Data for Antigenic Prediction and Outbreak Risk Assessment
16	17-20	Alexander Mordvinov A.P. Ershov Institute of Informatics Systems, Novosibirsk, Russia	Towards general purpose bioinformatics platform
	17-40	**Round table on modern approaches and data analysis in virology**	
	18-30	Welcome Dinner	

22 October		SECTION: Ecology of viruses Venue: FRC FTM, Novosibirsk, Timakova st., 2, White Hall (room 215)	
	Time	**Speaker**	**Participation / Title**
	10-00	Testing of presentations	
	10-30	**Welcome word: Alexander Yu. Alekseev** Research Institute of Virology of FRC FTM, Novosibirsk, Russia	
		Subsection: Bat-borne viruses Moderator: Alexander Yu. Alekseev	
17	10-40	Ulyana V. Gorobeyko, FSC Biodiversity FEB RAS Vladivostok, Russia	Bats of the Southern Far East: A Brief Review of Field Research 2020-2025
18	11-00	Aleksandra Larchanka Moscow Institute of Physics and Technology Dolgoprudnyy, Russia	Parasitology Without Tears: An illustrated guide to managing bat ectoparasites of the East European Plain
19	11-20	Alex L. Viskontene Zoological Institute of the Russian Academy of Sciences, Central Research Institute of Epidemiology of Rospotrebnadzor, St. Petersburg, Russia	Bat flies (*Diptera: Nyctebiidae*) in caves with different microclimates
20	11-40	Alexey A. Maslov Anastasia A. Vishnevetskaya Novosibirsk Zoo named after R. A. Shilo, Institute of Systematics and Ecology of Animals, Novosibirsk, Russia	Bat fauna of Novosibirsk region according to bat rehabilitation dataset from Novosibirsk Zoo
	12-00	Coffee break	
21	12-20	Anastasia A. Kadetova State Autonomous Institution Moscow Zoo, Moskow, Russia	On the ecology of *Myotis petax* in the southeast of the Amur region
22	12-40	Alexander Yu. Alekseev Research Institute of Virology of FRC FTM, Novosibirsk, Russia	Animal migration as a potential threat of transfer of new viruses to the territory of the Russian Federation
23	13-00	Denis V. Kazakov Institute of General and Experimental Biology, Siberian Branch of the RAS; University of Tyumen, Tyumen, Russia	Results of bat research in the Baikal Region over the past 10 years

	13-30	Lunch	
24	14-00	Egor A. Shchekhovsky State budgetary institution of additional education "House of Children's Creativity" Levoberezhny" of the Nevsky district of St. Petersburg, Russia	Small caves as an indicator of bat biodiversity in the Leningrad region
25	14-20	Maria S. Malyavina Penza State University, FBUZ "Center of Hygiene and Epidemiology in the Penza region", Penza, Russia	Ectoparasites of cryptic species *Myotis brandtii* and *Myotis mystacinus* (*Chiroptera: Vespertilionidae*) of the Middle Volga region
26	14-40	Maria S. Malyavina Penza State University, FBUZ "Center of Hygiene and Epidemiology in the Penza region", Penza, Russia	*Ixodes ricinus* population growth in Penza Oblast
		Subsection: Virome and viral metagenomics Moderator: Kirill A. Sharshov	
27	15-00	Maksim V. Apanasevich Research Institute of Virology of FRC FTM, Novosibirsk, Russia	The results of research on the tick virome in the south of Western Siberia
28	15-20	Adedeji Taofeekat Folasade, Oladokun Fathia Omowumi Federal University Oye-Ekiti (FUOYE), Nigeria	Climate-driven variability in viral metagenomics: insights for emerging zoonotic threats
	15-40	Coffee break	
		Subsection: Bird-borne viruses Moderator: Kirill A. Sharshov	
29	16-00	Wang Li Novosibirsk State University, Novosibirsk, Russia	Pathomorphological features of the course of pathogenesis in the lungs of mice during experimental infection with various variants of highly pathogenic influenza virus H5 subtype
30	16-20	Nikita S. Kasianov Research Institute of Virology of FRC FTM, Novosibirsk, Russia	Flight of the Siberian Crane. Experience of Participation in the International Symposium "Relevance and Prospects of Scientific Research in the Middle Reaches of the Aldan River," Okhotsky Perevoz 2025

23 October	SECTION: Climate trends and regional virology issues for biodiversity Moderators: : Alexander M. Shestopalov	
Venue: FRC FTM, Novosibirsk, Timakova st., 2, White Hall (room 215)		
	Time	**Speaker**	**Participation / Title**
	10-00	Testing of presentations	
	10-30	**Welcome word: Alexander M. Shestopalov** Research Institute of Virology of FRC FTM, Novosibirsk, Russia	
31	10-40	Gang Song Institute of zoology, Beijing, China	Gut microbial characters of the birds dwelling on Qinghai-Tibet plateau
32	11-00	Trung Kien Le Faculty of Animal Science, College of Agriculture, Can Tho University, Vietnam	Epidemiological and Molecular Insights into Salmonella in Ducks: Prevalence, Risk Factors, and Antibiotic Resistance in the Mekong Delta
33	11-20	Olga R. Druzyaka Institute of Systematics and Ecology of Animals, FRC FTM, Novosibirsk, Russia	Demographic Aspects of the ecology of a low-pathogenic influenza A virus during autumn migration in waterfowl birds of Southern Western Siberia: analysis of sex and age differences in infection
34	11-40	Alexey V. Druzyaka Institute of Systematics and Ecology of Animals, Research Institute of Virology of FRC FTM, Novosibirsk, Russia	Estimation of the relative abundance of migratory ducks in the south of Western Siberia using data of waterfowl harvesting by sport hunters
	12-00	Coffee break	
35	12-20	Yaroslav Utkin Institute of Molecular and Cell Biology, Novosibirsk, Russia	Application of modern methods for diagnostics of viral diseases in aquaculture
36	12-40	Natalia V. Palyanova Research Institute of Virology of FRC FTM, Novosibirsk, Russia	Frequencies and association of different HLA alleles with clinical phenotypes of acute respiratory infections in children
37	13-00	Alina R. Nokhova Research Institute of Virology of FRC FTM, Novosibirsk, Russia	Weather patterns and respiratory virus dynamics: a spatiotemporal analysis in Western Siberia
	13-30	Lunch	

38	14-00	Sinalo Mani GI Microbiology and Biotechnology Unit, Meat Science and Technology Department, Agricultural Research Council–Animal Production, Irene, South Africa	Indigenous goats rumen microbiome potential for climate-resilient communal farming in selected regions of Limpopo and North West provinces of South Africa
39	14-20	Mariya A. Minina Institute of Systematics and Ecology of Animals, SB RAS Novosibirsk, Russia	The effect of weather conditions on the prevalence of avian influenza among waterbirds of Western Siberia based on the results of long-term studies from 2009 to 2024.
40	14-40	Vladimir A. Mishchenko Laboratory of Vector-Borne Viral Infections and Tick-Borne Encephalitis, FSRIVI «Virome» Rospotrebnadzor, Russia	Tick-borne viral encephalitis incidence in the Sverdlovsk region (1992–2024): time series analysis, explaining trend, forecasting potentials
SECTION: Plant viruses and epiphytotic threats Moderators: Pykhtina Maria Venue: FRC FTM, Novosibirsk, Timakova st., 2, White Hall (room 215)			
41	15-00	Evgeniya V. Shelikhova NSAU, FRC FTM, Novosibirsk, Russia	The influence of viral pathogens on biochemical parameters of potato plants
42	15-20	Kirill A. Tabanyukhov Laboratory for the study of viral diseases of plants and animals, FRC FTM, Novosibirsk, Russia	Prevalence of plant viruses on agriculturally important crops in Western Siberia

21 – 23 October		Section for Young Scientists **(Poster session)** Venue: FRC FTM, Novosibirsk, Timakova st., 2, Hall of the 2 floor	
	Time	Moderators: Kirill Sharshov, Alexander Yu. Alekseev	
	10-30	Preparing posters for poster session	
	11-00	Beginning of Discussions	
	Speaker		**Title**
43	Anastasiya A. Derko Research Institute of Virology of FRC FTM, Novosibirsk, Russia		Genetic diversity of avulaviruses in wild waterfowl of the Novosibirsk region
44	Veronika S. Kovalenko Research Institute of Virology of FRC FTM, Novosibirsk, Russia		Oncolytic effect of the wild strain of Newcastle disease virus
45	Lyubov S. Adamenko Research Institute of Virology of FRC FTM, Novosibirsk, Russia		Detection of antibodies to pathogens with zoonotic potential in Steller's sea lions (*Eumetopias Jubatos*) of the North-Western Pacific Ocean
46	Tatyana A. Murashkina Research Institute of Virology of FRC FTM, Novosibirsk, Russia		Results of Avian Influenza Monitoring in the Caspian Region in 2017-2021
47	Teresa A. Saroyan Research Institute of Virology of FRC FTM, Novosibirsk, Russia		Features of the circulation of respiratory viruses in children in Novosibirsk in 2019-2023
48	Batyrgishi A. Mutashev Research Institute of Virology of FRC FTM, Novosibirsk, Russia		Analysis of the daily activity of bats in caves of the Republic of Dagestan

XIII School for Young Scientists
"EPIDEMIOLOGY AND EPIZOOTOLOGY OF ZOONOTIC INFECTIONS AND THE COUNTERACTION OF BIOGENIC THREATS"

Dear colleagues!

The School for Young Scientists begins on 24 of October. It includes poster session and trips to the habitats of bats in the Novosibirsk Region, collection of biological material and ornithological and chiropterological workshops. You can apply to participate in the trip when registering for the conference or by contacting the organizing committee.

We remind you that the air temperature in the caves is about +5°C.

We are also pleased to invite you to participate in a photography exhibition dedicated to expeditionary activities. The exhibition will be held in the second-floor lobby next to the main conference hall.

Photo by Ulyana V. Gorobeyko, Lyubov S. Adamenko, Anastasia A. Kadetova, Egor A. Shchekhovsky

The event was organized by:

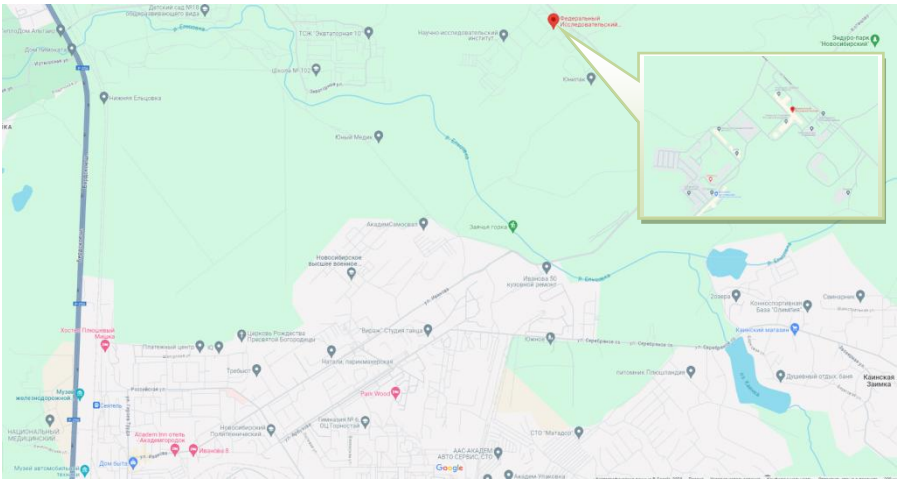
Federal Research Center for Fundamental and Translational Medicine

Research Institute of Virology

Members of the organizing and program committees:

1. Voevoda Mikhail Ivanovich – Academician RAS, professor, MD. Director of FRC FTM
2. Shestopalov Alexander Mikhailovich – Doctor of Biological Sciences, professor, Director of Research Institute of Virology of FRC FTM
3. Sharshov Kirill Aleksandrovich – Ph.D, Laboratory of Molecular Epidemiology and Biodiversity of Viruses, Research Institute of Virology of FRC FTM
4. Alekseev Alexander Yurievich – Ph.D, Laboratory of Experimental Biology of Pathogenic Microorganisms, Research Institute of Virology of FRC FTM
5. Gulyaeva Marina Alexandrovna– Ph.D, Associate Professor at the Department of Physiology FEN NSU, acting Head of the Laboratory of Experimental Virology, Institute of Chemical Biological Medicine SB RAS
6. Alexey A. Maslov – Ph.D, Institute of Systematics and Ecology of Animals, Novosibirsk, Russia
7. Palyanova Natalia Valerievna – Laboratory of Genomics and Evolution of Viruses, Research Institute of Virology of FRC FTM
8. Adamenko Lyubov Sergeevna – Laboratory of experimental oncology and testing of pharmacological agents, Research Institute of Virology of FRC FTM
9. Skorupo Anna Sergeevna – Laboratory of experimental oncology and testing of pharmacological agents, Research Institute of Virology of FRC FTM

Conference location: Federal State Budgetary Scientific Institution "Federal Research Center for Fundamental and Translational Medicine" 630117, Novosibirsk, Timakova Street, 2 Main entrance



Research Institute of Virology is a structural subdivision of Federal Research Center for Fundamental and Translational Medicine (FRC FTM). The Institute is a leading scientific institution in the Siberian region, engaged in a comprehensive study of circulating in wild, pets and people viruses, with the definition of their properties, including potential hazard assessment. https://frcftm.ru/nii_virusologii/