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VII INTERNATIONAL CONFERENCE ON COMBATING INFECTIOUS DISEASES
«Biological Sovereignty: Technology, Science, and Human Resources»

December 03-04, 2026
St. Petersburg

DECEMBER 03

10:00–10:30	**Great Hall: OPENING CEREMONY**		
10:30–12:30	**Great Hall:** **I PLENARY SESSION** **Technological Independence in Combating Infections: New Horizons in Genomics, Immunology, and Synthetic Biology** *Popova A., professor, Kutyrev V., academician of the RAS*		
12.30-13.00	Coffe-break		
	Great Hall	Multimedia Hall 1	Multimedia Hall 2
13:00–15:00	Session 1 **National Genomic Platforms in Ensuring Biological Sovereignty** *Akimkin.V., Fuhong He*	Session 2 **Digital Technologies in Epidemiology: From Mathematical Models to Large Language Models** *Lukashev A., Wenming Zhao*	Satellite Symposium: **Youth in Science: Countering Future Infectious Threats** *Korobova Z., Zubova A., Matyushkina D.*
15.00-16.00	Lunch		
16:00–18:30	Session 3 **Infection Control: Vaccination and Serological surveillance Strategies** *Totolian A., Svitich O.*	Session 4 **Molecular Biotechnology: From Antigen Design and RNA Therapeutics to Synthetic Biology** *Govorun V., Isakova-Sivak I.*	Round table: **Russia–Africa: Sovereignty in Combating Epidemics** *Shcherbakova S., Zeida Guêtawendé André*
18:30	Buffet Reception		

DECEMBER 04

09:30–11:30	**Great Hall:** **II PLENARY SESSION** **Epidemiological Risks in a Changing World: Natural Pathogen Reservoirs, Pangenome Analysis, and Global Surveillance** *Govorun V, academician of the RAS; Totolian A., Academician of the RAS*		
11:30-12:00	Coffe-break		
	Multimedia Hall 1	Multimedia Hall 2	White Hall
12:00–14:30	Session 5: **Natural-Focal and Vector-Borne Infections: Modern Challenges and International Experience** *Dedkov V., Volynkina A.*	Session 6: **International Experience in Combating Infections** *Smolensky V., Shcherbakova S.*	Satellite Symposium: **Human Papillomavirus Infection and Oncological Diseases: Epidemiology, Diagnostics, and Vaccine Prevention** *Lyalina L.*
14.30-15.30	Lunch		
15:30–17:40	Session 7: **Zoonotic Infections: Epidemiological Surveillance and Molecular Diagnostics** *Kulichenko A., Egorova S..*	Session 8: **Antibiotic Resistance: Challenges of the 21st Century** *Tapalski D., Mironov K.*	
18:00	**Great Hall:** **SUMMARIZING. CLOSING CEREMONY**		

PROGRAM

VII INTERNATIONAL CONFERENCE ON COMBATING INFECTIOUS DISEASES
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DECEMBER 03

OPENING CEREMONY **10:00–10:30 Great Hall**	
Opening Remarks by A.Yu. Popova, Head of Federal Service for Surveillance on Consumer Rights Protection and Human Well-being	
Welcome Address by A.D. Beglov, Governor of Saint Petersburg	
Welcome Address by N. Mokhtar, IAEA Deputy Director General	
I PLENARY SESSION **Technological Independence in Combating Infections: New Horizons in Genomics, Immunology, and Synthetic Biology** December 03 10:30–12:30 Great Hall *Co-chairs: Anna Popova, Professor, DSc (Medicine), Vladimir Kutyrev, Academician of the RAS*	
1.	**Modern Technologies as the Foundation of Biological Sovereignty and Threat Protection (20 min)** Vladimir Kutyrev, Academician of the RAS, director, Russian Anti-Plague Institute "Microbe" of Rospotrebnadzor, Saratov, Russia
2.	**Artificial Intelligence and Synthetic Biology (20 min)** Vadim Govorun, Academician of the RAS, director, Research Institute for Systems Biology and Medicine, Moscow, Russia
3.	**Experience of Egypt in Public Health** (20 min) Kandeel Amr, Vice Minister of Health and Population, Arab Republic of Egypt
4.	**Technological Sovereignty in Countering Biological Threats (20 min)** Vasiliy Akimkin, Academician of the RAS, director, Central Research Institute of Epidemiology of Rospotrebnadzor, Moscow, Russia
5.	**The title of the presentation is being finalized. (20 min)** Mr. WANG Hui, Deputy Director General, National Administration of Disease Prevention and Control of China
6.	**The Concept of Immunological Surveillance of Relevant Infections (20 min)** Areg Totolian, Academician of the RAS, director, St. Petersburg Pasteur Institute, St. Petersburg, Russia

SESSION 1. National Genomic Platforms in Ensuring Biological Sovereignty December 03, 13:00–15:00 Great Hall *Co-chairs: Vasiliy Akimkin, Academician of the RAS, Fuhong He*	
1.	**Genomic epidemiological surveillance: the foundation for rapid diagnostic solutions** (10 min) Kamil Khafizov, Akimkin V., Central Research Institute of Epidemiology of Rospotrebnadzor, Moscow, Russia
2.	**The Global Virome Initiative: Towards Pre-emptive Pandemic Preparedness** (10 min) Fuhong He, China National Center for Bioinformation, China
3.	**Challenges and Prospects for Identifying Potential Viral Pathogens in Natural Reservoirs (10 min)** Sergey Alkhovsky, Central Research Institute of Epidemiology of Rospotrebnadzor, Moscow, Russia
4.	**Viral hepatitis genomic surveillance (10 min)** Karen Kyuregyan, Mikhailov M., Research Institute of Epidemiology of Rospotrebnadzor, Moscow, Russia
5.	**Monitoring HIV Infection in the Republic of Belarus: Transitioning to Genomic Surveillance as the Foundation for a Next-Generation System** (10 min) Elena Gasich, Glinskaya I., Bunas A., Republican Center of Hygiene, Epidemiology and Public Health, Republic of Belarus
6.	**mScan: A One-Stop Platform for Microbiome Scan (10 min)** Xiaoqing Jiang, Assoc. Prof., China National Center for Bioinformation, China
7.	**Proactive Epidemiological Surveillance of Parasitic Disease Pathogens (10 min)** Ksenia Stepanova, Tyumen Region Infection Pathology Research Institute, Tyumen, Russia
8.	**Genetic characteristics of *Bordetella pertussis* isolated in St. Petersburg in 2023–2024 (10 min)** Nadezhda Filaeva, Pediatric Research and Clinical Center for Infectious Diseases of the FMBA of Russia, St. Petersburg. Russia
9	**Development of a Test System for Screening Clinical Material for Shiga Toxin Type 2 (Stx2) (10 min)** Nikolay Kartsev, State Research Center for Applied Microbiology and Biotechnology, Obolensk, Moscow Region, Russia
10.	**Genomic epidemiological surveillance of the *B.pertussis* in the Russian Federation (10 min)** Olga Borisova, G.N. Gabrichevsky Moscow Research Institute of Epidemiology and Microbiology, Moscow, Russia
11.	**Genomic epidemiological surveillance of measles and mumps in the Russian Federation: genetic diversity and characteristics of virus circulation in 2026 (10 min)** Yulia Urban, G.N. Gabrichevsky Moscow Research Institute of Epidemiology and Microbiology, Moscow, Russia
12.	**Genomic Epidemiological Surveillance of Hepatitis B in Southern Vietnam: A Comparative Analysis of Cohorts of Apparently Healthy Individuals, Blood Donors, and HIV-Infected Patients (10 min)** Yulia Ostankova[1], Huynh Hoang Khanh Thu[2], [1]St. Petersburg Pasteur Institute, St. Petersburg, Russia, [2]Pasteur Institute in Ho Chi Minh City, Ho Chi Minh City, Vietnam

SESSION 2. Digital Technologies in Epidemiology: From Mathematical Models to Large Language Models December 03 13:00–15:00 Multimedia Hall 1 *Co-chairs: Aleksandr Lukashev, Corresponding Member of the RAS; Wenming Zhao, deputy director CNCB*	
1.	**PLASMA, a platform for health analysis and anomaly monitoring** (15 min) Aleksander Manolov, Shatokhin A., Fedorov D., Vereshchagin M., Rotay N., Vereshchagin R., Gukin E., Paramonenko P., Pavlenko A., Gorbunov K., Klochkov K., Likhacheva P., Govorun V., Research Institute for Systems Biology and Medicine, Moscow, Russia
2.	**Virtual Expeditions: Identifying the Causes of Interregional Differences in Infectious Disease Incidence (15 min)** Viacheslav Kachalov, Manolov A., Masenkov O., Piskaeva V., Ilyina E., Govorun V., Research Institute for Systems Biology and Medicine, Moscow, Russia
3.	**Assessing the Effectiveness of Epidemic Control Measures Considering the Impact of Stress Burden on Chronic Non-Communicable Diseases (15 min)** Alexei Romanyukha, Faculty of Computational Mathematics and Cybernetics, Lomonosov Moscow State University, Moscow, Russia
4.	**New Infrastructure and Biodata Resources of China National Center for Bioinformation (15 min)** Wenming Zhao, deputy director, China National Center for Bioinformation, China
5.	**Use of local language models and multi-agent systems to support decision-making in epidemic surveillance (15 min)** Vasiliy Leonenko, Smorodintsev Research Institute of Influenza, Ministry of Health of the Russian Federation, St. Petersburg, Russia
6.	**Epidemiological Diagnostics in the Era of Large Language Models (10 min)** Valentin Safronov, Russian Anti-Plague Institute “Microbe” of Rospotrebnadzor, Saratov, Russia
7.	**Principal Component Analysis of the Cytokine Profile in COVID-19 Complications** (10 min) Zoia Korobova, Arsentieva N., Lyubimova N., Butenko A., Totolian A., St. Petersburg Pasteur Institute, St. Petersburg, Russia
8.	**Digital Technologies in Biobanking: Potential Applications for Infectious Disease Research** (10 min) Anna Nozdracheva, National Research Center for Epidemiology and Microbiology named after N.F. Gamaleya, Moscow, Russia
9.	**Multiscale mathematical model of epidemic spread using the immunological characteristics of the population (15 min)** Olga Krivorotko, Sirius University of Science and Technology, Russia

SESSION 3. Infection Control: Vaccination and Serological Surveillance Strategies December 03 16:00–18:30 Great Hall *Co-chairs: Areg Totolian, Academician of the RAS, Oksana Svitich, Academician of the RAS*	
1.	**Novel Immunological Approaches as Tools for Immunological Surveillance of Viral Infections (15 min)** Oksana Svitich, Mechnikov Research Institute for Vaccines and Sera, Moscow, Russia
2.	**Live measles vaccine derived from the "Leningrad-16" strain: efficacy of the over sixty years of use.** (15 min) Irina Lavrenteva, St. Petersburg Pasteur Institute, St. Petersburg, Russia
3.	**Preclinical evaluation of Influenza vaccine: what can safety and immunogenicity studies tell us? (15 min)** Irena Živković, Institute of Virology, Vaccines, and Sera “Torlak”, Serbia
4.	**Varicella in Belarus: Assessment of the Epidemic Situation and Population Immunity (15 min)** Alina Dronina, Republican Center for Hygiene, Epidemiology and Public Health, Republic of Belarus
5.	**Assessment of the Impact of Hepatitis B Vaccination on the Epidemiological Situation in the Kyrgyz Republic (15 min)** Zuridin Nurmatov, Scientific and Practical Center for Viral Infection Control, National Institute of Public Health, Ministry of Health of the Kyrgyz Republic
6.	**The role of vaccination coverage and gaps in population immunity in the spread of measles in Azerbaijan in 2024–2025 (15 min)** Aygun Ismayilova, Ministry of Health of the Republic of Azerbaijan – Republican Center of Hygiene and Epidemiolog
7.	**Epidemiological Surveillance System for Vaccine-Preventable Diseases: National Experience and Prospects (15 min)** Nargiz Muratova, Department for Control of Vaccine-Preventable Infections, Republic of Kazakhstan
8.	**Introduction of vaccination against varicella in the Republic of Armenia (15 min)** Svetlana Grigoryan, National Center for Disease Control and Prevention, Ministry of Health of the Republic of Armenia
9.	**Feasibility of predicting the immune responses level to the measles, rubella, and mumps vaccine (15 min)** Anna Toptygina, G.N. Gabrichevsky Research Institute for Epidemiology and Microbiology, Moscow, Russia
10.	**Population Immunity to *Bordetella pertussis* in Saint-Petersburg and the Leningrad Region** (10 min) Victoria Drobyshevskaya, St. Petersburg Pasteur Institute, St. Petersburg, Russia
11.	**Herd Immunity to the Measles Virus in the Population of the Bolivarian Republic of Venezuela** (10 min) Anastasia Antipova, St. Petersburg Pasteur Institute, St. Petersburg, Russia

SESSION 4. Molecular Biotechnology: From Antigen Design and RNA Therapeutics to Synthetic Biology December 03 16:00–18:30 Multimedia Hall 1 *Co-chairs: Vadim Govorun, Academician of the RAS, Irina Isakova-Sivak, Corresponding Member of the RAS*	
1.	**Artificial Intelligence in Biomedicine: From (Re)design of Vaccine Antigens to De Novo Design of (Nano)bodies (15 min)** Anton Chugunov, Veretenenko I., Efremov R., Govorun V., Research Institute for Systems Biology and Medicine, Moscow, Russia
2.	**Development of an enzymatic oligonucleotide synthesizer (15 min)** Oleg Fedorov, Research Institute for Systems Biology and Medicine, Moscow, Russia
3.	**Development of RNA-based Therapeutics and Vaccines for the Treatment and Prevention of Rotavirus Infection (15 min)** Andrey Vasin, Research Institute for Systems Biology and Medicine, Moscow, Russia
4.	**Structural insights into Kindia tick virus RNA untranslated regions in solution to advance Jingmenvirus preventive strategies (15 min)** Anastasia Gladysheva, State Research Center of Virology and Biotechnology “Vector” of Rospotrebnadzor, Koltsovo, Novosibirsk Region, Russia
5.	**Modern methodological approaches for monoclonal antibody verification (10 min)** Nikita Petukhov, State Research Center for Applied Microbiology and Biotechnology, Obolensk, Moscow Region, Russia
6.	**Technologies for generating chimeric viruses based on the A/Leningrad/134/17/57 and B/USSR/60/69 master donor viruses for the development of combined vaccines against human respiratory viruses (15 min)** Irina Isakova-Sivak, Institute of Experimental Medicine, St. Petersburg, Russia
7.	**Increasing pandemic preparedness through mRNA Technology Transfer Programme in Serbia (15 min)** Rajna Minić, Institute of Virology, Vaccines, and Sera “Torlak”, Serbia
8.	**Application of Digital Technologies and Artificial Intelligence in the Prevention and Control of Infectious Diseases (15 min)** Niu Yan, Public Health Emergency Center, Chinese Center for Disease Control and Prevention, China
9.	**Pseudotyped Lentiviruses for Coronavirus Tropism Studies (10 min)** Shokhrukh Khasanov, St. Petersburg Pasteur Institute, St. Petersburg, Russia
10.	**Novel Regulatory Mechanisms of Mycoplasma gallisepticum: A Pathway to Creating Artificial Cells** (15 min) Daria Matyushkina, Research Institute for Systems Biology and Medicine, Moscow, Russia
11.	**Modern approaches to the detection of catalytically active forms of botulinum toxins using Endopep-MS** (15 min) Alena Riabko, State Research Center for Applied Microbiology and Biotechnology, Obolensk, Moscow Region, Russia

SATELLITE SYMPOSIUM. YOUTH IN SCIENCE: COUNTERING FUTURE INFECTIOUS THREATS
December 03 13:00–15:00 Multimedia Hall 2

Co-chairs: Zoia Korobova (St. Petersburg Pasteur Institute, St. Petersburg, Russia)
Anastasia Zubova (Russian Anti-Plague Institute "Microbe" of Rospotrebnadzor, Saratov, Russia)
Daria Matyushkina (Research Institute for Systems Biology and Medicine, Moscow, Russia)

1.	**Scientific and Methodological Foundations for the Digitalization of Epidemiological Surveillance and Sanitary Protection of the Territory (10 min)** Anastasia Zubova, Russian Anti-Plague Institute "Microbe" of Rospotrebnadzor, Saratov, Russia
2.	**Antiviral Potential of Novel Chemical Compounds Against Human Rotavirus (10 min)** Margarita Zinovieva, Volobueva A., St. Petersburg Pasteur Institute, St. Petersburg, Russia
3.	**Agent-Based Modeling of Influenza A Transmission Dynamics in Major Russian Cities: Parameter Calibration Using Real-World Data and Evaluation of Control Measures (10 min)** Nikita Chervyakov, Research Institute for Systems Biology and Medicine of Rospotrebnadzor, Moscow, Russia.
4.	**Real-Time PCR as an Alternative for the Diagnosis of Histoplasmosis in Samples Referred to the INHRR, September 2025–September 2026 (10 min)** Frey Carrillo Juan Francisco, Instituto Nacional de Higiene Rafael Rangel, Departamento de Micología, Venezuela
5.	**Improving molecular surveillance methods for Sindbis Virus IV genotype: sequencing and structural analysis (10 min)** Anastasiia Guseva, Volgograd Research Anti-Plague Institute of Rospotrebnadzor, Volgograd, Russia
6.	**Expanding the Lytic Arsenal: Genomic Analysis of 31 Novel Phages Against Klebsiella pneumoniae (10 min)** Sofia Platova, Polev D., St. Petersburg Pasteur Institute, St. Petersburg, Russia
7.	**Annotation of the Recently Discovered Haseki Tick Virus Polyprotein Using Ai-Prediction and Synchrotron Radiation Methods (10 min)** Irina Osinkina, Yanshin A., Gladysheva A., State Research Center of Virology and Biotechnology "Vector" of Rospotrebnadzor, Koltsovo, Novosibirsk Region, Russia
8.	**Genomic epidemiological surveillance of HIV infection in the Russian Federation: results of a pilot project in the Central Federal District (10 min)** Alina Kirichenko, Central Research Institute of Epidemiology of Rospotrebnadzor, Moscow, Russia
9.	**Potential and Future Perspectives of Targeted Sequencing in the Etiological Diagnosis of ARVIs (10 min)** Maksim Nadtoka, Central Research Institute of Epidemiology of Rospotrebnadzor, Moscow, Russia
10.	**Features of the T-Lymphocyte Subset Composition in Chronic and Occult Hepatitis B (10 min)** Yakov Bashkin, Arsentieva N., St. Petersburg Pasteur Institute, St. Petersburg, Russia
11.	**Prevalence and Species Diversity of Spotted Fever Group Rickettsiae in Ixodid Ticks Collected in Northwest Russia (10 min)** Islam Karmokov, St. Petersburg Pasteur Institute, St. Petersburg, Russia
12.	**Evidence of transovarial transmission of Paramushir virus in Ixodes uriae ticks (10 мин)** Arman Bergaliev, St. Petersburg Pasteur Institute, St. Petersburg, Russia

ROUND TABLE.
RUSSIA–AFRICA: SOVEREIGNTY IN COMBATING EPIDEMICS

December 03 16:00–18:30 Multimedia Hall 2

Co-chairs: Svetlana Shcherbakova, DSc (Medicine), Zeida Guêtawendé André

1.	**Russia–Africa — Time-Tested Cooperation: Together Safeguarding Public Health** (10 мин) Svetlana Shcherbakova, Russian Anti-Plague Institute “Microbe” of Rospotrebnadzor, Saratov, Russia
2.	**Strengthening integrated genomic surveillance and epidemic preparedness in Burkina Faso (2023–2026): governance, laboratory and bioinformatics capacity, workforce development and cooperation with the Russian Federation** (10 min) Zeida Guêtawendé André, Sombié S., Kaboré R., Ouédraogo F.G., Bandaogo O., Kabré B., Kambiré M., Songné Z., Barro S., Bonkoungou I., Central Reference Laboratory, National Institute of Public Health (LCR-INSP) Ouagadougou, Burkina Faso
3.	**Investigation of an unknown disease outbreak in the Republic of Burundi in 2026 (10 min)** Aleksandr Semenov-Mansurov[1], Pshenichnaya N.[2], Shcherbakov A.[2], Imatdinov I.[3], Lizinfeld I.[3], Martynov M.[1], Vyalykh I.[1], Akimkin V.[2], [1] Federal Research Institute of Viral Infections “Virome” of Rospotrebnadzor, Yekaterinburg, Russia, [2] Central Research Institute of Epidemiology of Rospotrebnadzor, Moscow, Russia, [3] State Research Center of Virology and Biotechnology “Vector” of Rospotrebnadzor, Koltsovo, Novosibirsk Region, Russia
4.	**Russian-Burundian Scientific Center: Organization of Work in 2026 and Prospects for Scientific Research (10 min)** Ivan Kutyrev, Central Research Institute of Epidemiology of Rospotrebnadzor, Moscow, Russia
5.	**The role of mobile laboratories in outbreak management (10 min)** Akiror Christine, National health laboratory and diagnostic services, Ministry of Health, Republic of Uganda
6.	**Rodent control measures in tropical and equatorial climates according to molecular-genetic data on the species composition and resistance of rodents to anticoagulants (10 min)** Vladimir Komarov, Andreev S., Demina Yu., Institute of Disinfectology, Federal Scientific Center of Hygiene named after F.F. Erisman Rospotrebnadzor, Moscow, Russia
7.	**Genomic characterization of the index case of monkeypox virus infection in humans in Mali, 2025 (10 min)** Boubacar Doumbia, Institute National de Sante Publique Mali
8.	**Genomic characterization of the 2025 Marburg virus outbreak in Ethiopia: insights from early case samples (10 min)** Gemechis Tadesse Leta, Ethiopia Public Health Institute, Ethiopia
9.	**Development of Genomic Diagnostics for Malaria in the Republic of Guinea (10 min)** Pavel Soloviev, State Research Center for Applied Microbiology and Biotechnology, Obolensk, Moscow Region, Russia
	Discussion

DECEMBER 04

II PLENARY SESSION **Epidemiological Risks in a Changing World: Natural Pathogen Reservoirs, Pangenome Analysis, and Global Surveillance** December 04 09:30–11:30 Great Hall *Co-chairs: Vadim Govorun, Academician of the RAS, Areg Totolian, Academician of the RAS*	
1.	**Integration of Big Genomic Data into Epidemic Models** (15 min) Alexander Lukashev, Corresponding Member of the RAS, Doctor of Medical Sciences, Professor, Director of the E.I. Martsinovsky Institute of Medical Parasitology, Tropical and Vector-Borne Diseases at Sechenov University, Chief Researcher Sechenov University, Research Institute for Systems Biology and Medicine, Moscow, Russia
2.	**Iran's Program to Eliminate Rabies Caused by Dog Bites by the Year 2030** (15 min) Mehdi Fazlalipour, Head of the Rabies Department and Director of the WHO Collaborating Centre for Rabies Pasteur Institute, Iran
3.	**Modern Information and Molecular Genetic Technologies in Epidemiological Surveillance of Natural-Focal and Zoonotic Infections (15 min)** Alexandr Kulichenko, D.Sc. (Med.), Prof., Director, Stavropol Plague Control Research Institute of Rospotrebnadzor, Stavropol, Russia.
4.	**Methods and applications of microbial Pan-genome analysis** (15 min) Jingfa Xiao, Prof., China National Center for Bioinformation, China
5.	**Features of Zoonotic Virus Circulation in High Latitudes and Associated Epidemiological Risks in the Arctic Zone of the Russian Federation (15 min)** Sergey Alkhovsky, Corr.Member of the RAS, Advisor to the Director for Research (specializing in natural-focal and emerging infections) at the Central Research Institute of Epidemiology of Rospotrebnadzor, Lvov D., Akimkin V., Central Research Institute of Epidemiology of Rospotrebnadzor, Moscow, Russia
6.	**Diversity and Uniqueness of Natural-Focal Viruses of the Pacific Rim of East Asia (15 min)** Mikhail Shchelkanov, D.Sc. (Biol.), Director, Research Institute of Epidemiology and Microbiology named after G.P. Somov of Rospotrebnadzor, Vladivostok, Russia

SESSION 5. Natural-Focal and Vector-Borne Infections: Modern Challenges and International Experience
December 04 12:00–14:30 Multimedia Hall1

Co-chairs: Vladimir Dedkov, DSc (Medicine); Anna Volynkina, PhD (Biology)

1.	**The Role of Genetic Studies in Epidemiological Investigation and the Biological Safety System (15 min)** Vladimir Dedkov, St. Petersburg Pasteur Institute, St. Petersburg, Russia
2.	**Genetic characteristic of *Coxiella burnetii*, isolated from blood sera of patients with Q fever in the South of Russia (15 min)** Anna Volynkina, Stavropol Plague Control Research Institute of Rospotrebnadzor, Stavropol, Russia.
3.	**Molecular evidence suggesting an atypical case of human infection by RABV and LBV (15 min)** Nadine N'dilimabaka[1], Andreani J.[2,3], Koumba Mavoungou D.S.[1], Soami V.[4], Koumba Moukouama S.[1], Grimaldier C.[2,3], Penant G.[2,3], Dedkov V.[5,6], Lekana-Douki J.-B.[1,7], Fenollar F.[2,8], La Scola B.[2,3], Lekana-Douki S.E.[1] [1]Centre Interdisciplinaire de Recherches Médicales de Franceville (CIRMF), Franceville, Gabon; [2]Aix Marseille Univ, MEPHI, AP-HM service de virologie, Marseille, France; [3]IHU-Méditerranée Infection, Marseille, France; [4]Centre Hospitalier Universitaire de Libreville (CHUL), Libreville, Gabon; [5]St. Petersburg Pasteur Institute, Russia; [6]Martsinovsky Institute of Medical Parasitology, Tropical and Vector Borne Diseases, Moscow, Russia; [7]Université des Sciences de la Sante, Libreville, Gabon; [8]Aix Marseille Univ, AP-HM, SSA, RITMES, Marseille, France
4.	**The PandoraDB Web Platform: An Open-Source Russian Metagenomic Analysis Tool for Studying Arboviruses (15 min)** Anna Speranskaya, Vavilov Institute of General Genetics, Moscow, Russia
5.	**Molecular Insights into Malaria Epidemiology in Iran (15 min)** Akram Abouie Mehrizi, Pasteur Institute, Iran
6.	**Dengue fever in a non-endemic region: a clinical-epidemiological and molecular-genetic analysis of imported cases in Mosco (15 min)** Natalia Pshenichnaya, Central Research Institute of Epidemiology, Moscow, Russia
7.	**Mosquito Species Diversity and Circulation of Mosquito-Borne Viruses in Selected Provinces of Central Vietnam (15 min)** Phan Vu Tien, Pasteur Institute in Nha Trang, Vietnam
8.	**Recent Progress and Achievements of Iran's National Surveillance Network for Arboviruses and Viral Hemorrhagic Fevers (15 min)** Tahmineh Jalali, Pasteur Institute, Iran
9.	**Diversity and phylogeography of viruses of the family *Nairoviridae* in African countries: DUGV and CCHFV as examples (15 min)** Stanislav Bondarev, St. Petersburg Pasteur Institute, St. Petersburg, Russia
10.	**Tick-borne encephalitis in children: causes of severe forms and ways to prevent them (10 min)** Galina Ivanova, National Medical Research Center of Infectious Diseases of the Federal Medical-Biological Agency, Saint Petersburg, Russia

SESSION 6. International Experience in Combating Infections December 04 12:00–14:30 Multimedia Hall 2 *Co-chairs:* Vyacheslav Smolensky, Ph.D. (Med.); Svetlana Shcherbakova, D.Sc. (Med.)	
1	**WHO guidelines, norms and standards for epidemic-prone infections: from evidence to disease control (10 min)** Binello Nicolo, World Health Organization
2	**Venezuela–Russia Scientific Cooperation in Epidemiological Surveillance and Countering Emerging Infectious Diseases: Capacities and Strategic Roadmap of IVIC (10 min)** Quintero Alberto, Venezuelan Institute of Scientific Research,Venezuela
3	**Evolutionary Signature of SARS-CoV-2: Mutational Dynamics and Phylodynamics from 2020 to 2022 in Venezuela (10 min)** Carmen Luisa Loureiro, Rossana Jaspe, Yoneira Sulbarán, José Luis Zambrano, Zoila Moros, D´Angelo P., Rodríguez L., Aguilar M., Héctor Rangel, Flor Pujol, Venezuelan Institute of Scientific Research, Venezuela
4	**Molecular Genetic Monitoring of HIV Spread in the EECA Region (10 min)** Dmitry Kireev, Central Research Institute of Epidemiology, Moscow, Russia
5	**Antigenic Profile and Genetic Diversity of *N. meningitidis* Strains in Vietnam, 2014–2024 (10 min)** Bui Thi Lan Anh, Vo Viet Cuong, Hoang Duc Hau, Russian-Vietnamese Tropical Center, Vietnam
6	**Uzbekistan's International Cooperation in Combating Infectious Diseases (10 min)** Mirzabayev Dilmurod, Committee for Sanitary and Epidemiological Well-Being and Public Health under the Ministry of Health of the Republic of Uzbekistan
7	**Ebola Bundibugyo Virus Disease Outbreak Response in the Democratic Republic of the Congo: Progress, Challenges and Priorities (10 min)** Olivier le Polain, World Health Organization
8	**Experience of the prevention and management of viral hepatitits in Burundi (10 min)** Ntirandekura Cyrille, Ministère de la Santé Publique du Burundi
9	**Avian Influenza in Iran: Epidemiological Situation, Research Advances, and Vaccination Strategies (10 min)** Ghaemi Amir, Pasteur institute of Iran
10	**Resurgence of Diphtheria in Senegal: Epidemiology, Diagnostics and Genomics of an Ongoing Outbreak (10 min)** Dieye Yakhya, Pasteur Institute in Dakar, Senegal
11	**From Epidemiology to Quality Control: Strain Selection and Manufacturing Challenges in Influenza Vaccine Production (10 min)** Ana Kovačević, Institute of Virology, Vaccines, and Sera “Torlak”, Serbia
12.	**Whole-genome sequencing reveals a previously unrecognized measles virus cluster in Burundi (10 min)** Nduwimana Cassien, Institut National de Santé Publique, INSP, Burundi

SESSION 7. Zoonotic Infections: Epidemiological Surveillance and Molecular Diagnostics December 04 15:30–17:40 Multidemia Hall 1 *Co-chairs: Alexandr Kulichenko, Academician of the RAS, Svetlana Egorova, DSc (Medicine)*	
1.	**Principles of epidemiological surveillance for tularemia (15 min)** Natalya Gaevskaya, Rostov-on-Don Antiplague Scientific Research Institute of Rospotrebnadzor, Rostov-on-Don, Russia
2.	**The Epidemiological Surveillance System for Zoonotic Infections: National Experience and Prospects (15 min)** Albina Utemuratova, Department for Control of Particularly Dangerous Infections, Committee of Sanitary and Epidemiological Control of the Ministry of Healthcare of the Republic of Kazakhstan, Astana, Kazakhstan
3.	**Analysis of the epidemiological situation on pseudotuberculosis in the Russian Federation in 2010–2024 and a medium-term forecast of incidence up to 2029 (15 min)** Ekaterina Voskresenskaia, St. Petersburg Pasteur Institute, St. Petersburg, Russia
4.	**Antibiotic resistance pattern of *Salmonella enterica* isolated from retail raw meats in central region of Vietnam (15 min)** Hoang Ái Vân Hoàng, Pasteur Institute in Nha Trang, Vietnam
5.	**Isolation of *Yersinia enterocolitica* atypical for the Russian Federation in the Siberian Federal District in 2024–2026 (10 min)** Elena Bogumilchik, St. Petersburg Pasteur Institute, St. Petersburg, Russia
6.	**Molecular Epidemiological Characterization of Pathogenic Leptospira in Small Mammals of Northwestern Russia (10 min)** Regina Baimova, St. Petersburg Pasteur Institute, St. Petersburg, Russia
7.	**Institutional Barriers and the Burden of Brucellosis in the Russian Federation: Historical Lessons and Ways to Overcome Them (15 min)** Dmityrii Shkliarov, Moscow State Academy of Veterinary Medicine and Biotechnology – MVA named after K.I. Skryabin, Moscow, Russia
8.	**Genetic variability and diversity of rickettsiae as a new challenge for healthcare service in Russia: description of a novel rickettsiosis (results of a multicenter, non-interventional study on rickettsioses, 2024–2025) (15 min)** Alexey Kostarnoy, National Research Center for Epidemiology and Microbiology named after N.F. Gamaleya, Moscow, Russia
9.	**A Comprehensive Study of Borrelia miyamotoi Circulation in Saint Petersburg and Leningrad Oblast (10 min)** Ivan Lyzenko, St. Petersburg Pasteur Institute, St. Petersburg, Russia

SESSION 8. Antibiotic Resistance: Challenges of the 21st Century December 04 15:30–17:40 Multimedia Hall 2 *Co-chairs: Dzmitry Tapalski, Professor, DSc (Medicine), Konstantin Mironov, DSc (Medicine)*	
1.	***Stenotrophomonas maltophilia* in Belarusian hospitals: experience with MIC determination and evaluation of promising antibiotic combinations (10 min)** Dzmitry Tapalski, Institute of Physiology of the National Academy of Sciences of Belarus, Minsk, Belarus
2.	**Pan-repertoire of defense systems in *Klebsiella pneumoniae* clinical isolates and its association with the mobilome (10 min)** Anna Maikova, St. Petersburg Pasteur Institute, St. Petersburg, Russia
3.	**Antimicrobial Resistance and Genomic Characteristics of Non-Typhoidal *Salmonella* from Swine, Poultry, and Humans in Southern Vietnam (10 min)** Truong Quang Nguyen, Pasteur Institute in Ho Chi Minh City, Vietnam
4.	**Epidemiology of purulent bacterial meningitis and pathogens genotyping (10 min)** Konstantin Mironov, Central Research Institute of Epidemiology, Moscow, Russia
5.	**Mechanisms of variability in high-risk international clones of *Pseudomonas aeruginosa* causing hospital-acquired infections in Moscow healthcare facilities (10 min)** Olga Voronina, National Research Center for Epidemiology and Microbiology named after N.F. Gamaleya, Moscow, Russia
6.	**Application of the LAMP method for the multiplex detection of *Enterococcus faecium* and *Enterococcus faecalis* (10 min)** Vadim Petrov, Central Research Institute of Epidemiology, Moscow, Russia
7.	**Experimental prophylactic preparation based on cholera bacteriophages: development and prospects for application (10 min)** Anna Tyurina, Rostov-on-Don Antiplague Scientific Research Institute of Rospotrebnadzor, Rostov-on-Don, Russia
8.	**Personalized microbiological monitoring as a basis for the prevention and treatment of chronic infection in patients with orphan diseases. (10 min)** Marina Chernukha, National Research Center for Epidemiology and Microbiology named after N.F. Gamaleya, Moscow, Russia
9.	**Plasmid Profile of *Salmonella Typhi* Isolated in the Russian Federation in 2005–2026 (10 min)** Dmitrii Polev, Kaftyreva L., Makarova M., Matveeva Z., Zhamborova S., St. Petersburg Pasteur Institute, St. Petersburg, Russia
10.	**Spectrum of *Clostridioides difficile* Infection (10 min)** Sergei Zakharenko, Pediatric Research and Clinical Center for Infectious Diseases of the FMBA of Russia, St. Petersburg. Russia
11.	**Synergism of antimicrobial drugs and polymers: the concept of multifunctionality for the prevention and/or treatment of viral and bacterial infections (10 min)** Anna Afinogenova, St. Petersburg Pasteur Institute, St. Petersburg, Russia
12	**Current strategies for combating antibiotic-resistant bacteria (10 min)** Lyudmila Kraeva St. Petersburg Pasteur Institute, St. Petersburg, Russia

SATELLITE SYMPOSIUM. HUMAN PAPILLOMAVIRUS INFECTION AND ONCOLOGICAL DISEASES: EPIDEMIOLOGY, DIAGNOSTICS, AND VACCINE PREVENTION

December 04 12:00–14:30 White Hall

Chairman: Ludmila Lyalina, Professor, DSc (Medicine)

1.	**Results of the Introduction of Human Papillomavirus Vaccination in the Republic of Uzbekistan (15 min)** Utkir Edgorov, Tashkent State Medical University, Tashkent, Republic of Uzbekistan
2.	**Vaccination Prevention of Human Papillomavirus Infection in the Russian Federation: Results and Development Prospects (15 min)** Lyudmila Lyalina[1], Cherepanova E.[2], Chugunova G.[3], [1]St. Petersburg Pasteur Institute, St. Petersburg, Russia, [2]Federal Center for Hygiene and Epidemiology of Rospotrebnadzor, Moscow, Russia. [3]Interregional Department of Rospotrebnadzor for the City of St. Petersburg and the Leningrad Region, St. Petersburg, Russia
3.	**Joining Forces: Experience of International Cooperation in Combating Cervical Cancer (15 min)** Elvira Domonova, Popova A., Prilepskaya D., Romanyuk T., Leshkina G., Akimkin V., Central Research Institute of Epidemiology of Rospotrebnadzor, Moscow, Russia
4.	**Detection Rate and Clinical Significance of Human Papillomavirus in Benign, Precancerous, and Malignant Cervical Lesions (15 min)** Dmitry Kholopov[1], Vyazovaya A.[2], Zadorkina T.[3], [1]City Polyclinic No. 109, St. Petersburg, Russia, [2]St. Petersburg Pasteur Institute, St. Petersburg, Russia, [3]Center for Specialized Types of Medical Care of the Kaliningrad Region, Kaliningrad, Russia
5.	**Risk Factors for Human Papillomavirus Infection in Women with Different HIV Status (15 min)** Anna Samarina[1],[2], Shamaeva N.[2], [1]Pavlov First Saint Petersburg State Medical University, St. Petersburg, Russia, [2]St. Petersburg Center for the Prevention and Control of AIDS and Infectious Diseases, St. Petersburg, Russia
6.	**Evaluation of Factors Associated with High-Risk Human Papillomavirus Persistence Among Women with Mono- and Co-infection (15 min)** Vitaly Zaguzov[1], Pleskacheva A.[2], Katkyavichene E.[3], [1]St. Petersburg Pasteur Institute, St. Petersburg, Russia, [2]Dermatovenerologic Dispensary No. 8, St. Petersburg, Russia. [3]Republican Dermatovenerologic Dispensary of the Republic of Karelia, Petrozavodsk, Russia
7.	**Population Vaccination Program Against Human Papillomavirus Infection: Regional Experience (15 min)** Elena Khorkova[1], Goryaev E.[1], Bolshukhina T.[2], [1]Leningrad Regional Center for the Prevention and Control of AIDS and Infectious Diseases, St. Petersburg, Russia. [2]Saint Petersburg Scientific Research Institute of Vaccines and Sera of the Federal Medical and Biological Agency, St. Petersburg, Russia
8.	**Results of HPV vaccination in patients with dermatovenereological diseases (15 min)** Yulia Antonova, Kasatkin E., Dermatovenerologic Dispensary No. 8, St. Petersburg, Russia
9.	**Determination of the Genetic Sequence of Variable Domains of Monoclonal Antibodies Against the HPV 16 L1 Protein (15 min)** Nikita Akimov, Smirnova I., St. Petersburg Pasteur Institute, St. Petersburg, Russia