



CONFERENCE PROGRAM

September 18, 2017

8:00 – 9:00	Registration
Opening session	
9:00 – 9:05	Welcome from Director of Research Institute of Influenza Andrey Vasin
9:05 – 9:10	Welcome from the Ministry of Healthcare of Russian Federation Sergey Kraevoy Deputy Minister of Healthcare of Russian Federation
9:10 – 9:15	Welcome from the Russian Federal Service for Surveillance on Consumer Rights Protection and Human Wellbeing (Rospotrebnadzor) Albina Melnikova Deputy director of Epidemiological surveillance department
Welcome from Scientific Committee	
9:20-9:25	Caroline Brown WHO Regional Office for Europe
9:25 - 9:30	Alexander Shneider CureLab Oncology Inc., USA
9:30 – 9:35	Andrej Egorov Research Institute of Influenza, Saint Petersburg, Russia
Interdisciplinary Studies in Influenza Research Plenary Session 1 Moderators: Caroline Brown, Aleksandr Shestopalov	
9:40 -10:10	Diversity in Circulating Influenza Viruses in the WHO European Region during Seven Post-2009 Pandemic Seasons (2010-2011 to 2016-2017 Seasons) Caroline Brown WHO Regional Office for Europe
10:10 – 10:40	Broad Neutralization of Influenza Virus and Implications for a Universal Vaccine and Therapy Ian Wilson Skaggs Institute of Chemical Biology, USA
10:40 – 11:10	Human Quarantine and Challenge Contribute to the Science of Universal Influenza Vaccines John Oxford, PhD University of London, UK
11:10 – 11:30	Coffee break

11:30 – 12:00	Biological Diversity of Avian Influenza Viruses in Wild Birds in the Asian part of Russia Alexander Shestopalov Research Centre of Clinical and Experimental Medicine, Novosibirsk, Russia	
12:00 – 12:30	Vaccine Potential of Influenza Vectors with Modified NS1 gene Andrej Egorov Research Institute of Influenza, Saint-Petersburg, Russia	
12:30 – 13:00	Progress and Problems in Implementing the Global Plan for Pandemic Preparedness Larisa Rudenko Institute of Experimental Medicine, Saint Petersburg Russia	
13:00 - 14:00	Lunch	
ORAL PRESENTATIONS		
	Session 1 Influenza Surveillance in Humans and Animals Moderators: Anna Sominina, Elena Burtseva	Session 2 Influenza Vaccines: from Seasonal to Universal Moderators: Lyudmila Tsybalova, Andrej Egorov
14:00 – 14:20	O1 Influenza Surveillance in Russia: Status, Challenges and Future Developments. Anna Sominina Research Institute of Influenza, Saint Petersburg, Russia	O13 Plants as Factories for the Production of Influenza Vaccines Nicolai Ravin Center of Bioengineering, Moscow, Russia
14:20 – 14:40	O2 Influenza in Pregnants: the Results of Monitoring During Epidemics 2012-2017, Moscow Elena Burtseva D.I. Ivanovsky Institute of Virology, Federal Research Center of Epidemiology and Microbiology named after N. F. Gamaleya Moscow, Russia	O14 Efforts Made to Create a Universal Influenza Vaccine Lyudmila Tsybalova Research Institute of Influenza, Saint Petersburg, Russia
14:40 - 15:00	O3 Implementation of Next-Generation Sequencing in Influenza Surveillance: Experience of NIC Saint-Petersburg Andrey Komissarov Research Institute of Influenza, Saint Petersburg, Russia	O15 Novel Mucosal Influenza-Vectored Tuberculosis Vaccines: Preclinical and Clinical Evaluation Marina Stukova Research Institute of Influenza, Saint Petersburg, Russia
15:00 – 15:20	O4 Collection of Influenza and ARVI Viruses of the Research Institute of Influenza: Significance for Influenza Surveillance in Russia, Current State and Perspectives of Development Mikhail Eropkin Research Institute of Influenza, Saint Petersburg, Russia	O16 Parallel Testing the Subunit, Adjuvanted, Whole-Virion Inactivated and Live Influenza Vaccines Against Homologous and Heterosubtypical Challenge Alexandra Gambaryan Chumakov Federal Scientific Center for Research and Development of Immune- and Biological Products, Moscow, Russia

15:20 – 15:40	O5 Sentinel Surveillance of Influenza and Other Respiratory Viruses in Cuba. 2012-2016 Susana Borroto Pedro Kourí Institute, Cuba	O17 GRIPPOL Family Vaccines: Development History and Perspectives Natalia Puchkova “NPO Petrovax Pharm”, Moscow, Russia
15:40 – 16:00	O6 Viral Etiology of Influenza-like Illnesses in Hospitalized Children in Novosibirsk, Russia, in 2013 – 2017 Olga Kurskaya Research Institute of Experimental and Clinical Medicine, Novosibirsk, Russia	O18 Manufacturing Technology Development and Pre-clinical and Clinical Trials of Pandemic and Seasonal Influenza Vaccines Ainur Nurpeisova Research Institute for Biological Safety Problems, Gvardeiskiy, Kazakhstan
16:00 - 16:20	Coffee break	
ORAL PRESENTATIONS		
	Session 1 Influenza Surveillance in Humans and Animals (continued) Moderators: Daria Danilenko, Mikhail Eropkin	Session 3 Vaccines and Diagnostic Systems Moderators: Yulia Desheva, Janne O. Koskinen
16:20 – 16:40	O7 Monitoring the Influenza Virus on the Human-Animal Interface and the Properties of Avian Influenza Viruses A(H5N8) Isolated in Russia in 2016-2017 Years Vasiliy Marchenko State Research Center of Virology and Biotechnology “Vector”, Novosibirsk, Russia	O19 The Protective Effect of Associated Virus-Bacterial Vaccines Based on Live Attenuated Influenza Vaccine (LAIV) and Streptococcal Recombinant Peptides in Mouse Model of Post-Influenza <i>S. pneumoniae</i> Infection Yulia Desheva Institute of Experimental Medicine, Saint Petersburg, Russia
16:40 – 17:00	O8 Swine Influenza Surveillance in Russia: Failures, Advances, Perspectives Daria Danilenko Research Institute of Influenza, Saint-Petersburg, Russia	O20 Bioprocessing of Influenza Vaccines Mats Lundgren GE Healthcare Life Sciences, Sweden
17:00 – 17:20	O9 Isolation of Unusual Strains of H1N1 Swine Influenza Virus from a Pig in Russia, 2016-2017 Ivan Sobolev Research Institute of Experimental and Clinical Medicine, Novosibirsk, Russia	O21 Development of New Multiplex Diagnostic Methods for Sepsis Sergey Klotchenko Research Institute of Influenza, Saint-Petersburg, Russia
17:20 – 17:40	O10 The Study of Molecular-Biological Properties of H4N6 AIV Subtypes Isolated in Caspian Seal Population: the Assessment of Pathogenic Potential in Experimental Infection in Mice Marina Gulyaeva Research Institute of Experimental and Clinical Medicine, Novosibirsk State University, Novosibirsk, Russia	O22 Microarray Based Approach for Multiparameter Analysis of Influenza Virus Rustam Heydarov Engelhardt Institute of Molecular Biology, Moscow, Russia

17:40 – 18:00	O11 Identification of Etiology of RVI Using PCR Tests in Order to Manage Etiotropic Treatment Nicolai Lvov Military Medical Academy, Saint Petersburg, Russia	O23 Automated mariPOC [®] Platform Enables Highly Sensitive and Rapid Antigen Detection and Subtyping of Influenza Viruses Petri Antikainen ArcDia International Oy Ltd, Finland
18:00 – 18:20	O12 Positive Association of Supersaturation Effects in the Human Airways with Influenza Seasons in Okinawa (2007-2012) – New Method for Analyzing and Forecasting in Subtropical Climate (First Preliminary Results) Alexander Ishmatov Scientific Research Institute of Experimental and Clinical Medicine, Novosibirsk, Russia	O24 Etiological Laboratory Diagnostics of ILI in Surveillance and Clinical Practice. Svetlana Yatsyshina Central Research Institute of Epidemiology Rospotrebnadzor, Moscow, Russia
18:20 – 20:00	Welcome reception	

September 19, 2017

8:00 – 9:00	Registration	
<p>Interdisciplinary Studies in Influenza Research Plenary Session 2 Moderators: Adolfo Garcia-Sastre, George Fu Gao</p>		
9:00 – 9:30	Influenza A Drift: Reconsidering Influenza A Virus Evolution and Immunity Jonathan Yewdell Laboratory of Viral Diseases, National Institute of Allergy and Infectious Diseases, USA	
9:30 – 10:00	Influenza Virus-Host Interactions Adolfo Garcia-Sastre Department of Medicine, Division of Infectious Diseases, Icahn School of Medicine at Mount Sinai, USA	
10:00 – 10:30	Flu Host Jump: from H1-H16 to Bat-Derived H17/18 George Fu Gao Chinese Center for Disease Control and Prevention, China	
10:30 – 10:50	Coffee Break	
10:50 – 11:20	Controlling Influenza and Other Respiratory Virus Infections Using Therapeutic Interfering Particles Jeffrey Almond Oxford University, UK	
11:20 – 11:50	Molecular Mechanisms of Broad Antiviral Activity of Azolo-Azines Derivatives Andrey Vasin Research Institute of Influenza, Saint Petersburg, Russia	

11:50– 12:20	Development of Oncolytic Influenza A Viruses Michael Bergmann Medical University of Vienna, Austria	
12:20 – 12:50	“Live and Not Let the Virus Die” as Therapy Principle Nicolai Bovin Institute of Bioorganic Chemistry, Moscow, Russia	
12:50 – 13:50	Lunch	
ORAL PRESENTATIONS		
	Session 4 Influenza Virology: from Molecule to Virus Moderators: Andrey Vasin, Alexander Shneider	Session 5 Influenza Antivirals: Mechanisms of Actions and Delivery Moderators: Jeffrey Almond, Levon Piotrovsky
13:50– 14:10	O25 Effects of PA-X Deficient Viruses in Chicken Embryos and Implications on Yield of Candidate Vaccine Viruses (CVVs) Saira Hussain Francis Crick Institute, UK	O30 Immunochemical and Virus Neutralization Properties of a Recombinant Human Immunoglobulin A Specific to Influenza Virus A Hemagglutinin Teimur Aliev Moscow State University, Moscow, Russia
14:10 – 14:30	O26 Human T-cell Immunity to Emerging Highly-Pathogenic Viruses William J. Liu National Institute for Viral Disease Control and Prevention, China CDC	O31 Multi-Contact Ligands As One of the Ways to Overcome Viral Resistance Vladimir Tsvetkov Research Institute of Influenza, Saint Petersburg, Russia
14:30– 14:50	O27 Defining RNA Structured Regions and Finding RNA Structured Regions in H1N1 Influenza Virus Alexander Shneider CureLab Inc., USA	O32 New Strategies for Effective Delivery of Antiviral siRNA Against Influenza A Virus Alexander Timin RASA center in Tomsk, Tomsk Polytechnic University, Tomsk, Russia
14:50 – 15:10	O28 Structural Bases of PB1 Derived Peptide Mechanism of Action Yana Zabrodskaya Research Institute of Influenza, Saint Petersburg, Russia	O33 The Efficacy of the Influenza Treatment with Antiviral Drugs with Different Mechanism of Action Nicolai Malyshev Federal Research Center of Epidemiology and Microbiology named after N. F. Gamaleya, Moscow, Russia
15:10 – 15:30	O29 RNA Secondary Structure Analyses of the NS Segment of Influenza A Virus Irina Baranovskaya Research Institute of Influenza, Saint Petersburg, Russia	O34 Some Prospects toward Poly-Inhibitors of Influenza and other Human Viruses Alexander Serbin A.V. Topchiev Institute of Petrochemical Synthesis, Moscow, Russia
15:30 – 15:50	Coffee break	

RAPID ORAL PRESENTATIONS (selected by organizers)

15:50 – 16:30	Rapid oral poster presentations “Influenza surveillance”, “Vaccine development”, “Diagnostic systems”	Rapid oral poster presentations “Molecular biology of influenza”, “Influenza antivirals”
15:50 – 15:55	P-1 Phylogenetic analysis of surface proteins of the influenza A(H1N1)pdm09 viruses isolated in 2015-2016 in Moscow Kirill Krasnoslobodtsev Federal Research Center of Epidemiology and Microbiology named after N. F. Gamaleya	P-9 Water-soluble [60]fullerene derivatives can suppress efficiently three influenza virus subtypes Ilya Voronov IPCP RAS, Chernogolovka, Moscow Region, Russia
15:55 – 16:00	P-2 Overview of 2016 – 2017 influenza season in Georgia Anna Machablishvili National Center for Disease Control and Public Health, Georgia	P-10 Water-soluble amino acid fullerene derivatives as potential anti-influenza drugs Alexander Zhilenkov IPCP RAS, Chernogolovka, Moscow Region, Russia
16:00 – 16:05	P-3 Surveillance and seasonality of Influenza and other respiratory viruses in Cuba, 2011-2016. Odalys Valdes Tropical Medicine Institute Pedro Kouri, Cuba	P-11 Cytisine derivatives inhibit replication human influenza viruses in vitro Viktoria Fedorova Research Institute of Influenza, Saint Petersburg, Russia
16:05 – 16:10	P-4 Immunological aspects of severe syndromes the flu in pediatrics Afanasieva Olga Research Institute of Influenza, Saint Petersburg, Russia	P-12 The expression system for the production of recombinant hemagglutinin-specific monomers and dimers of human immunoglobulin A in CHO cells Victoriya Argentova Moscow State University
16:10 – 16:15	P-5 Etiology of severe acute respiratory tract infection in hospitalized patients in Belarus, 2016-2017 Nataliya Shmialiova Republican Research & Practical Center for Epidemiology & Microbiology, Belarus	P-13 Not far from the tree: the peptide from hemagglutinin which interacts with the whole protein Egorov Vladimir Research Institute of Influenza, Saint Petersburg, Russia
16:15 – 16:20	P-6 Mucosal influenza vectored tuberculosis vaccine enhances priming of innate and adaptive T-cell immunity to Mycobacterium tuberculosis Anna-Polina Shurygina Research Institute of Influenza, Saint Petersburg, Russia	P-14 Synthesis and antiviral activity of novel polycarboxylic fullerene derivatives Olga Kraevaya Institute for Problems of Chemical Physics of Russian Academy of Sciences, Chernogolovka, Moscow region, Russia

16:20 – 16:25	P-7 Real-time RT-PCR determination of viral load in ferret nasal swabs with specimen collection control during experimental infection with influenza A virus Sergey Petrov Research Institute of Influenza, Saint Petersburg, Russia	P-15 Antiviral activity of small interfering RNAs Andrey Bondarenko Research Institute of Influenza, Saint Petersburg, Russia
16:25 – 16:30	P-8 Development of multiplex real-time RT-PCR assays for seasonal A/H3N2, B, pandemic A/H1pdm09 and avian A/H5, H7, H9 influenza viruses detection Nataliya Sivets Republican Research & Practical Center for Epidemiology & Microbiology, Belarus	P-16 Influence of alloxan-induced diabetes mellitus on influenza infection induced by influenza virus A/H1N1pdm09 Aleksandrov Andrei Research Institute of Influenza, Saint Petersburg, Russia
16:30 – 18:00	POSTER PRESENTATIONS	

September 20, 2017

10:00 – 11:30	Business Session	WHO Regional Office for Europe Meeting (on invitations)
11:30 – 11:50	Coffee break	
11:50 – 13:00	Press-conference	WHO Regional Office for Europe Meeting (continuation)
13:00 – 14:00	Lunch	
Closing Plenary Session Moderators: Daniel Jernigan, Dmitry Lioznov		
14:00 – 14:20	The Epidemiological Efficacy and the Economic Impact for the Seasonal Influenza Vaccination at the Russia Eugenia Selkova Gabrichevsky Institute of Epidemiology and Microbiology, Moscow, Russia	
14:20 – 14:40	Assays for influenza vaccines evaluation: assessment and validation Emanuele Montomoli University of Siena, Italy	
14:40-15:00	Adjuvants for influenza vaccines: challenges, perspectives and multi-component formulations Yury M. Vasiliev Institute of Highly Pure Biopreparations, Saint Petersburg, Russia	
15:00 – 15:20	Global Initiative on Sharing of All Influenza Data (GISAID) – Connecting the Influenza Community Andrey Komissarov GISAID Database Technical Group, Research Institute of Influenza, Russia	
15:20 – 15:40	mariCloud on-line service for real-time and global epidemiological surveillance of acute infections Janne O. Koskinen ArcDia International Oy Ltd, Finland	
15:40 – 16:00	100 Years Since 1918: Are We Ready for the Next Pandemic? Daniel Jernigan Centre for Disease Control and Prevention, Atlanta, USA	
16:00	Conference closure	

