

**Conference time: UTC+5:00 (Moscow Time Zone +2 hours)**

<p><b><u>Analytical and computer epidemiology.</u></b></p> <p><b><u>Old and new infections, modern technologies for prevention and treatment</u></b></p> <p><b>MAY 27</b></p> <p><b>9.30-11.25 (EKB)</b></p> <p><b>Stream №4</b></p> <p>Chairs: Kosova A.A.</p>		
9.30-9.45 +5 min	<p><b>Platonova T.A.</b> Golubkova A.A. Smirnova S.S.</p> <p><i>Ekaterinburg</i></p>	COVID-19 in employees of medical organizations: characteristics of clinical manifestations in the acute period and the period of convalescence
9.50-10.05 + 5 min	<p><b>Perevalova T.</b> Bashkirtseva I. Ryashko L.</p> <p><i>Ekaterinburg</i></p>	Noise-induced phenomena in eco-epidemiological model with Allee effect
10.10-10.20 + 5 min	<p><b>Sankov D.I.</b> Lukyanov S. Korneev A.G. Pan'kov A.S.</p> <p><i>Orenburg</i></p>	Forecasting the incidence of HFRS in the population of steppe landscapes based on the available climatic data // Прогнозирование заболеваемости ГЛПС населения степных ландшафтов на основе доступных климатических данных
10.25-10.35 + 5 min	<p><b>Chalapa V.</b> Kosova A.A.</p> <p><i>Ekaterinburg</i></p>	Developing an R it solution using adaptive interface forms for estimating the reproduction number and forecasting the infectious disease incidence
10.40-11.50 + 5 min	<p><b>Leonenko V.N.</b></p> <p><i>St.-Petersburg</i></p>	Compartmental modeling of long-term influenza dynamics in Russia: the role of immunity propagation and vaccination efficiency
10.55-11.10 + 5 min	<p><b>Kosova A.A.</b> Sabitov A.U. Grinberg S.I.</p> <p><i>Ekaterinburg</i></p>	Efficiency of application of masks, glasses and influenza vaccination in pandemic of COVID – 19.
11.15-11.25	<p><b>Platonova T.A.</b> Golubkova A.A. Karbovnichaya E.A. Smirnova S.S.</p> <p><i>Ekaterinburg</i></p>	Immune response to SARS-CoV-2 in patients with various clinical forms of infection: features of formation and duration of preservation

**Immunology. Biomedical and molecular genetic aspects**

**MAY 27  
11.30-13.00 (EKB)**

**Stream №4**

Chairs: Bolkov M.A.

11.30-11.40 +5 min	<b>Kadochnikova Y.A.</b> Gein S.V.  <i>Perm</i>	The effect of endomorphins-1, 2 on the functions of innate immune cells in vitro
11.45-11.55 +5 min	<b>Kim A.V.</b> Bocharov G.A. Ivanov A.V.  <i>Ekaterinburg</i>	Mathematical and computer modeling of HIV dynamics
12.00-12.10 +5 min	<b>Pashnina I.A.</b>  <i>Ekaterinburg</i>	Defects of T-lymphocyte differentiation in patients with primary immunodeficiency // Нарушения дифференцировки Т-лимфоцитов при первичных иммунодефицитах
12.15-12.25 +5 min	<b>Cheremokhin D.A.</b> Deryabina S.S.  <i>Ekaterinburg</i>	Results of the implementation of the method for the quantitative determination of markers of naive T- and B-lymphocytes (TREC and KREC) for the diagnosis of congenital immunity errors in the Sverdlovsk region // Результаты внедрения метода количественного определения маркёров наивных Т- и В-лимфоцитов (TREC и KREC) для диагностики врожденных ошибок иммунитета в Свердловской области
12.30-12.40 +5 min	<b>Ryashko L.</b> Bashkirtseva I. Chukhareva A.  <i>Ekaterinburg</i>	Modeling and analysis of complex tumor-immune dynamics under chemoradiotherapy
12.45-12.55 +5 min	<b>Krivolapova I.M.</b>  <i>Ekaterinburg</i>	Imbalance of pro- and anti-inflammatory cytokines in chronic inflammatory diseases of the joints in children // Дисбаланс про- и противовоспалительных цитокинов при хронических воспалительных заболеваниях суставов у детей
	<b>Guojun L.</b>  China, Hohhot	Immune Subtype in Muscle-invasive Bladder Cancer: Molecular, functional characterization and clinical implications  <a href="#">talk record (Link)</a>

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**PLENARY LECTURES**

**MAY 27  
13.00-14.55 (EKB)**

Chairs: Solovyova O., Tsaturyan A.

13.00-13.25	<b>Chereshnev V.A.</b> <i>Ekaterinburg</i>	New directions for the development of biomedicine in the XXI century
13.30-13.55	<b>Kovtun O.P.</b> <i>Ekaterinburg</i>	Integration of the University and academic science on the platform of the Ural World-class research and educational centers «Advanced production technologies and materials» // Об интеграции университета и академической науки на платформе Уральского межрегионального НОЦ мирового уровня «Передовые производственные технологии и материалы»
14.00-14.25	<b>Kohl P.</b> <i>Germany</i>	Cardiomyocyte Fluid Pumping at the Sub-Microscale
14.30-14.55	<b>McCulloch A.</b> <i>USA</i>	Systems Mechanobiology of Cardiac Myocytes

**Molecular, cellular and genetic investigations and technologies  
in biology and medicine**

**MAY 27  
15.05-17.20 (EKB)**

**Stream №4**

Chairs: Dementyeva E.V., Shchepkin D.

15.05-15.20 + 5 min	<b>Dementyeva E.V.</b> Pavlova S.V. Vyatkin Yu.V. Medvedev S.P. Zakian S.M.  <i>Novosibirsk</i>	Generating and studying cell models of hypertrophic cardiomyopathy
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15.25- 15.40  + 5 min	<b>Minin A.S.</b> Zubarev I.V. Rodionov A.S.  <i>Ekaterinburg</i>	Using 3D printing to create cheap and customizable cell organoids
15.45- 16.00  +5 min	<b>Bobylev A.G.</b> Paskhin M.O. Shymeyko S.A. Yakupova E.I. Vikhlyantsev I.M. Bobyleva L.G.  <i>Pushchino</i>	Aggregation of skeletal myosin-binding protein C
16.05- 16.20  + 5 min	<b>Yakupova E.I.</b> Bobyleva L.G. Vikhlyantsev I.M. Bobylev A.G.  <i>Pushchino</i>	Oligomeric structure of smooth muscle titin
16.25- 16.40  + 5 min	<b>Bashkirtseva I.</b> Zaitseva S. Tsvetkov I. Ryashko L.  <i>Ekaterinburg</i>	Stochastic excitement in a model of enzyme kinetics
16.45- 17.00  +5 min	<b>Kholina E.G.</b> Orekhov Ph.S. Kovalenko I.B., Bozdaganyn M.E., Strakhovskaya M.G.  <i>Moscow</i>	Interaction of cationic antiseptics with the bacterial plasma membrane containing cardiolipin revealed by coarse-grain molecular dynamics
17.05- 17.20	<b>Nekrasov P.V.</b> Bobylev A.G. Vikhlyantsev I.M.  <i>Pushchino</i>	The concept of muscle aging at hibernation