

## Symposium on Systems Biology and Biomedicine (SBioMed)

Часовой пояс — UTC+7

November, 11							
0	<a href="#">Andrey Letyagin (MD, PhD, Prof.)</a> <a href="#">Vadim Klimontov (MD, PhD, Prof.)</a> <a href="#">Vadim Nimaev (MD., PhD)</a>	Welcoming speech of the organizing committee of the symposium		Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)			11.11.2022 10:00
1	<a href="#">Elena Koroleva, Dinara Bulumbaeva, Anton Korbut, Vadim Klimontov</a>	Modeling of Risk Factors for Peripheral Artery Disease in Patients with Type 2 Diabetes	diabetes; peripheral artery disease; risk factor; hyperglycemia; glucose variability; inflammation	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 10:15
2	<a href="#">Anton Korbut, Vyacheslav Romanov</a>	Urinary excretion of type IV collagen in non-albuminuric and albuminuric patterns of chronic kidney disease in subjects with type 2 diabetes	type 2 diabetes, chronic kidney disease, albuminuria, type 4 collagen	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 10:30
3	<a href="#">Nataliya Kondakova, Tatyana Mikhailovna Sokolova, Pavel Gennadievich Madonov, Anna Vladimirovna Usova, Dmitry Sergeevich Denisov, Maxim Aleksandrovich Verigin</a>	DEVELOPMENT OF SYSTEM FOR ASSESSING RISKS OF GYNECOLOGICAL DISORDERS	neuron networks, prevention, quality of life, gynecological disorders, reproductive health, infertility	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 10:45
4	<a href="#">Ekaterina Demicheva, Vladislav Dordiuk, Konstantin Ushenin</a>	Speeding up the interpretation of differential gene expression analysis results	natural language processing, bert, transformers, artificial neural network, clustering, unsupervised topic extraction, dimensionality reduction, semantic analysis, differential gene expression analysis, gene ontology, gene expression	Institute of Immunology and Physiology of the Ural Branch of the Russian Academy of Sciences	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 11:00

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5	<a href="#">Alexander Lykov, Sergei Belogorodtsev, Elizaveta Nemkova, Alexei Salmin, Demid Bredikhin, Sergei Nikonov</a>	Effect of Photodynamic Therapy with Radachlorin® in Balb/c Mice with Tuberculosis	mycobacterium tuberculosis, radachlorin®, photodynamic therapy, nitric oxide, glycolysis, nadp-h-dependent oxidoreductase, macrophage, lymphocytes	Federal State Budgetary Institution "Novosibirsk TB Research Institute" of the Ministry of Health RF	Physical approaches in medical and diagnostic technologies	Moderator: Alexander Lykov (PhD)	11.11.2022 11:15
6	<a href="#">Andrey Kokoulin, Irina May, Sergey Zagorodnov</a>	The Optical Subsystem for the Dust Concentration Measuring Portable System	air pollution, particulate matters, super-resolution, neural networks	Perm national research polytechnic university	Physical approaches in medical and diagnostic technologies	Moderator: Alexander Lykov (PhD)	11.11.2022 11:30
7	<a href="#">Rustam Khapaev, Elvira Sobolevskaya, Vadim Nimaev</a>	The Soft Tissues Ultrasonography Technique in Patient with Upper Limb Lymphedema: methodology, reproducibility, measurement errors.	upper extremity lymphedema, soft tissue ultrasonography	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Physical approaches in medical and diagnostic technologies	Moderator: Alexander Lykov (PhD)	11.11.2022 11:45
8	<a href="#">Alexander Lykov, Ruslan Gevorgiz, Svetlana Zheleznova, Elizaveta Nemkova, Elizaveta Gordeeva, Alexei Salmin, Sergei Belogorodtsev</a>	Antimycotic effect of Arthrospira (Spirulina) platensis	cyanobacteria, mycobacterium tuberculosis, mice, antimycotic activity	Federal State Budgetary Institution "Novosibirsk TB Research Institute" of the Ministry of Health RF	Physical approaches in medical and diagnostic technologies	Moderator: Alexander Lykov (PhD)	11.11.2022 12:00
9	<a href="#">Danila Chernopyatov, Sergey Nikonov, Iuliia Taskaeva</a>	The use of fluorimetry as a non-invasive method for photodynamic diagnosis of intradermal spread of the photosensitizer chlorin E6	photothermolysis; photosensitizer; chlorin e6; laser energy; fluovisor	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Physical approaches in medical and diagnostic technologies	Moderator: Alexander Lykov (PhD)	11.11.2022 12:15
10	<a href="#">Anastasiia Kotliarova</a>	Anti-IL-17 nucleic acid aptamer alleviates motor impairment in mouse spondyloarthritis model	therapeutic aptamers, ankylosing spondiloarthritis, rheumatic diseases, il-17a, open field test	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	11.11.2022 12:30

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11	<a href="#">Maria Pykhtina, Svetlana Mirosnichenko, Yaroslav Kulikov, Anatoly Beklemishev</a>	Development bioactive of human recombinant GM-CSF produced in Pichia Pastoris yeast	p. pastoris, recombinant gm-csf, dendritic cells, tf-1 cell line	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	11.11.2022 12:45
12	<a href="#">Vladimir Gorchakov</a>	Phyto-braking Effect of Somatic Lymph Node Aging	inguinal lymph nodes, trace elements, phytocorrection, gerontology	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	11.11.2022 13:00
13	<a href="#">Vitaly Omelchenko</a>	Body composition in woman with rheumatoid arthritis	total body, rheumatoid arthritis, sarcopenia	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	11.11.2022 13:15
14	<a href="#">Vladimir Gorchakov</a>	Principles of Lymphosanation in Ensuring the Efficiency Lymph Nodes at Aging	lymph nodes, trace elements, lymphosanation, phytocorrection, gerontology	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	11.11.2022 13:30
15	<a href="#">Mikhail Soluianov, Dmitry Khabarov, Mikhail Smagin, Marya Kochetkova, Oleg Shumkov, Vadim Nimaev</a>	Prevention of complications after transurethral interventions on the prostatic hyperplasia	prostatic hyperplasia, transurethral prostatectomy, complications, colegel	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	11.11.2022 13:45
16	<a href="#">Dmitriy Khabarov, Alexandr Demura, Michail Soluyanov, Marya Kochetkova, Irina Siutkina</a>	The use of thromboelastography in the evaluation of the effectiveness of fibrinolysis inhibitors	hemostasis, thromboelastography, aminomethylbenzoic acid	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	11.11.2022 14:00

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17	<a href="#">Michail Smagin, Oleg Shumkov</a>	Long-term results of treatment of torpid trophic ulcers of the lower extremities	torpid trophic ulcers, platelet-rich plasma, diabetic foot syndrome, post-thrombotic disease	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	11.11.2022 14:15
18	<a href="#">Irina Siutkina, Dmitriy Mironov, Dmitriy Khabarov, Marya Kochetkova, Alexander Demura, Alexandr Smagin</a>	Regional depot injection as a method of effective perioperative anesthesia during minimally invasive procedures	myofascial blocks, regional depot injection, uterine artery embolization	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	11.11.2022 14:30
19	<a href="#">Konstantin Ushenin</a>	Computational anatomy atlas using multilayer perceptron with Lipschitz regularization	implicit representation, computational anatomy atlas, lipschitz continuity, lipschitz regularization, ml-engineering	Ural Federal University	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 14:45
20	<a href="#">Anatoly Shatrov, Aleksey Vishnyakov, Vladimir Kudryavtsev</a>	Mathematical modeling of toxic hepatitis in male Wistar rats	mathematical model, toxic hepatitis, liver intoxication with carbon tetrachloride.	Vyatka State University	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 15:00
21	<a href="#">Vasiliy Leonenko, Israel Huaman, Ekaterina Plesovskaya</a>	Matching model complexity with data detail: influenza propagation modeling as a case study	mathematical modeling, epidemiology, influenza, structural complexity, akaike information criterion	ITMO University	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 15:15
22	<a href="#">Ekaterina Evdakova, Liudmila Manilo, Anatoly Nemirko, Anna Tatarinova, Boris Alekseev</a>	ECG database of short fragments with arrhythmias classification according to the degree of danger to the patient's life	ecg database, short ecg fragments, ecg analysis in frequency domain, dangerous arrhythmias	Saint Petersburg Electrotechnical University "LETI"	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 15:30
23	<a href="#">Olga Saik, Vadim Klimontov</a>	Bioinformatics Analysis of Gene Networks Related to Diabetic Nephropathy and Endothelial Activation	diabetic nephropathy, endothelial activation, gene networks, text-mining, andsystem	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 15:45

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24	<a href="#">Alexander Spirov, Ekaterina Myasnikova</a>	Comparative analysis of algorithmic approaches simulating the directed evolution techniques	synthetic biology, biological macromolecules, evolution in vitro, heuristic algorithms, directed evolution in silico, evolutionary algorithms	Sechenov Institute of Evolutionary Physiology and Biochemistry of the Russian Academy of Sciences	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 16:00
25	<a href="#">Olga Saik, Elvira Sobolevskaya, Rustam Khapaev, Oleg Shumkov, Mikhail Smagin, Vadim Nimaev</a>	Revealing the Molecular Basis of Vascular Restenosis by Gene Network Analysis	vascular restenosis, endovascular treatment, gene network, and system	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Bioinformatics methods and mathematical modeling in biology and medicine	Moderator: Vadim Klimontov (MD, PhD, Prof.)	11.11.2022 16:15
26	<a href="#">Mikhail Zubkov, Nikita Andreev</a>	Bandwidth matched radial scan technique for rapid heteronuclear magnetic resonance imaging	mri, heteronuclear imaging, pulse sequence, simulation	ITMO University	Magnetic and electromagnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	11.11.2022 16:30
27	<a href="#">Anna Busygina</a>	Simulating the impact of electromagnetic radiation on living tissues in normal and pathological conditions	electromagnetic radiation, hela, myometrium, simulation, finite element method, tem-cell, specific absorption rate	Tomsk State University of Control Systems and Radioelectronics	Magnetic and electromagnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	11.11.2022 16:45
28	<a href="#">Mikhail Zubkov, Maria Ulyanova</a>	Tuning deep learning hyperparameters for magnetic resonance fingerprinting recognition	magnetic resonance fingerprinting, breast cancer, deep learning	ITMO University	Magnetic and electromagnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	11.11.2022 17:00
29	<a href="#">Zilya Badrieva</a>	Effect of multi-slice MESE acquisition on inter-slice T2 variability	quantitative mri, t2 mapping, multi-slice, multi-echo spin echo, echo modulation curve	ITMO University	Magnetic and electromagnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	11.11.2022 17:15
30	<a href="#">Denis Burov, Eugene Koreshin, Alena Shchelokova, Pavel Seregin</a>	Multi-mode metasurface as a platform for the design of MRI coils and pads	mri, metasurface, radiofrequency coils, passive rf-shimming	ITMO University	Magnetic and electromagnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	11.11.2022 17:30
31	<a href="#">Kristina Shin, Georgiy Solomakha, Anna Hurshkainen</a>	A Surface RF Coil with a Configurable Field of View for <sup>23</sup> Na MR Spectroscopy at 0.5T	magnetic resonance spectroscopy (mrs), radio frequency (rf) coil, surface rf coil, eigenmode, sodium	ITMO University	Magnetic and electromagnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	11.11.2022 17:45

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32	<a href="#">Oleg Shumkov</a>	Long-term Results of Surgical Treatment and Cell Therapy in Patients with Type 2 Diabetes and Chronic Lower Limb Ischemia	chronic lower limb ischemia, endovascular revascularization, autologous mononuclear cells, transcutaneous oximetry introduction	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	12.11.2022 10:00
33	<a href="#">Oleg Kazakov, Alexandr Poveshchenko, Alexey Kabakov, Valeriya Cherkas</a>	THE INFLUENCE OF EXPERIMENTAL BREAST CANCER ON THE RELATIONSHIP BETWEEN THE STRUCTURE OF ANTERIOR MEDIASTINAL LYMPH NODES AND CYTOKINES OF THE LYMPH	mediastinal lymph nodes, breast cancer, cytokines	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	12.11.2022 10:15
34	<a href="#">Oleg Kazakov, Alexandr Poveshchenko, Alexey Kabakov, Valeriya Cherkas</a>	CYTOKINES OF LYMPH ARE RELATIONSHIP WITH CYTOARCHITECTONICS OF MESENTERIC LYMPH NODES IN EXPERIMENTAL BREAST CANCER AND THERAPY	cytokines, breast cancer, lymph, lymph nodes, surgical treatment	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	12.11.2022 10:30
35	<a href="#">Alexander Lykov, Lubov Rachkovskaya, Maria Surovtswva, Irina Kim, Edmund Rachkovsky, Natalia Bondarenko, Olga Poveshchenko</a>	Effect of a composition based on aluminosilicon particles and alcoholic chaga extract on human mesenchymal stem cells	chaga extract, human bone marrow mesenchymal stem cells, nadp-h-dependent oxidoreductase, nitric oxide, apoptosis/necrosis	Federal State Budgetary Institution "Novosibirsk TB Research Institute" of the Ministry of Health RF	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	12.11.2022 10:45
36	<a href="#">Nataliya Bgatova, Nikita Skudin, Alexey Lomakin, Maxim Ryaguzov, Vadim Zakharov, Maxim Korolev</a>	COMPARATIVE STUDY OF THE COLON ADENOCARCINOMA STROMA BEFORE AND AFTER	colon adenocarcinoma, stroma, blood vessels, endothelium, vasculogenic mimicry	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	12.11.2022 11:00

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		NEOADJUVANT RADIOTHERAPY					
37	<a href="#">Natalia Obanina</a> , <a href="#">Nataliya Bgatova</a> , <a href="#">Iuliia Taskaeva</a> , <a href="#">Victoria Makarova</a>	Effect of rapamycin and lithium carbonate on depression-like behavior and anxiety in skin melanoma	melanoma, depressive-like behaviour, rapamycin, lithium	Research Institute of Clinical and Experimental Lymphology – Branch of the Institute of Cytology and Genetics, Siberian Branch of Russian Academy of Sciences (RICEL- Branch of IC&G SB RAS)	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	12.11.2022 11:15
38	<a href="#">Assel Rakhmetova</a> , <a href="#">Nataliya Bgatova</a> , <a href="#">Sholpan Zhumadina</a>	LITHIUM STIMULATES AUTOPHAGY IN KIDNEY PROXIMAL TUBULES CELLS UNDER CONDITIONS OF PERIPHERAL TUMOR GROWTH	proximal kidney epithelium, autophagy, ultrastructure	Toraigyrov University	Functional and pharmacological control of multifactorial regulatory processes in biology and medicine	Moderators: Nataliya Bgatova (Dr., PhD., Prof.) Vadim Nimaev (MD., PhD)	12.11.2022 11:30
39	<a href="#">Daria Mangileva</a>	Mechanical Manifestation of Complete and Incomplete Spiral Wave Break Up	spiral waves, fibrillation, electro-mechanical vortex, electro-mechanical feedback	Ural Federal University	Magnetic and electro-magnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	12.11.2022 11:45
40	<a href="#">Sofiya Tverskaya</a> , <a href="#">Alan Alimuradov</a>	Development of an Algorithm for Human Emotional State Correction via Electroencephalographi с Signal Processing	электроэнцефалографический сигнал, информативные параметры, контроль и коррекция, физиологическая активность	Penza State University	Magnetic and electro-magnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	12.11.2022 12:00
41	<a href="#">Sergey Gerashchenko</a> , <a href="#">Andrey Demidov</a> , <a href="#">Ekaterina Konovalova</a> , <a href="#">Larisa Zyulkina</a> , <a href="#">Makbol Adel Ali Omar</a>	Development of a joule metric information-measurement system for instant assessment of oral mucosa state	electrochemical parameters, electrochemical information-measurement systems, sensor	Penza State University	Magnetic and electro-magnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	12.11.2022 12:15
42	<a href="#">Viktor Puchnin</a>	Quadrature wireless coil for 1.5 T MRI of the wrist	magnetic resonance imaging, wireless coils, radiofrequency coils, metamaterials, signal-to-noise ratio, transmit efficiency, wrist mri	ITMO Univercity	Magnetic and electro-magnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	12.11.2022 12:30

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43	<a href="#">Mikhail Zubkov, Roman Romanov, Anna Andreychenko, Konstantin Ladutenko</a>	Method of moments for relaxation-based signal separation in magnetic resonance breast cancer detection	relaxation, magnetic resonance imaging, breast cancer, method of moments	ITMO University	Magnetic and electro-magnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	12.11.2022 12:45
44	<a href="#">Anatoliy Levchuk, David Bendahan, Anton Ryzhkov, Vladimir Fokin, Nikita Vladimirov, Igor Matveev, Alexander Efimtsev, Ekaterina Brui</a>	Fully automatic segmentation of post-infarction fibrosis in post-contrast magnetic resonance images of heart : preliminary study	convolutional neural network, u-net, post-contrast magnetic resonance imaging, left ventricle myocardium, post-infarction fibrosis	ITMO University	Magnetic and electro-magnetic magnetic resonance phenomena in biology and medicine	Moderator: Andrey Letyagin (Dr, prof.)	12.11.2022 13:00
45	<a href="#">Denis Lapitan</a>	Estimation of the Signal-to-Noise Ratio in Incoherent Optical Fluctuation Flowmetry	incoherent optical fluctuation flowmetry, blood flow, spectrum, signal-to-noise ratio, source-detector distance	Moscow Regional Research and Clinical Institute ("MONIKI")	Physical approaches in medical and diagnostic technologies	Moderator: Alexander Lykov (PhD)	12.11.2022 13:15
46	<a href="#">Larisa Zhorina, Ivan Matveev, Yuri Shishkin</a>	Observation of the systemic response to the point action of extremely high frequency radiation with a wavelength of 5.6 mm on a human	thermal imaging, ir thermography, human skin temperature, biological effects, physiotherapy, extremely high frequency radiation with a wavelength of 5.6 mm, primary mechanisms of extremely high frequency exposure	Bauman Moscow State Technical University	Physical approaches in medical and diagnostic technologies	Moderator: Alexander Lykov (PhD)	12.11.2022 13:30
47	<a href="#">Daniil Kolesnikov, Petr Luzhnov</a>	The possibilities of assessing the arterial vessels condition using a pulse wave	pulse wave, pulse blood filling signal, biotechnical system, photoplethysmography	Bauman Moscow State Technical University	Physical approaches in medical and diagnostic technologies	Moderator: Alexander Lykov (PhD)	12.11.2022 13:45
48	<a href="#">Viktoria Shmatko, Petr Luzhnov</a>	Development of a speech delay device for patients with logoneurosis	logoneurosis, stuttering, logoneurosis corrector, dfa, delayed auditory feedback	Bauman Moscow State Technical University	Neurofunctional technologies in the assessment of real processes	Moderator: Grigoriy Khazankin (Master of Science)	12.11.2022 14:00
49	<a href="#">Pavel Rudych</a>	Dynamic estimation of risk preferences: behavioural and neuroeconomic study	otree, neuroeconomics, risk	High School of Economics	Neurofunctional technologies in the assessment of real processes	Moderator: Grigoriy Khazankin (Master of Science)	12.11.2022 14:15