



THE SCIENTIFIC PROGRAM OF THE FIFTH CONGRESS OF RUSSIAN SOCIETY FOR TRACE ELEMENTS IN MEDICINE (RUSTEM)

Moscow, September 20-22, 2018

SEPTEMBER 20

17:00-17:30	<p>Anatoly Skalny, Moscow, Russia <i>MD, PhD, Professor, Head of Department for Medical Elementology, People Friendship University of Russia; Chairman of Russian Society for Medical Elementology (RUSTEM)</i></p> <p>Welcome speech</p>
17:30 -18:30	<p>Muriel Bost, Lyon, France <i>President of Trace Element Institute, Unesco CHU de Lyon - Groupement Hospitalier Edouard Herriot</i></p> <p>Copper metabolism and its genetic disorders</p>
18:30	<p>Welcome-party</p>

SEPTEMBER 21

9:00 – 9:30	<p>Opening</p> <p>Margarita Skalnaya, Moscow, Russia <i>MD, PhD, Professor of Department for Medical Elementology, People Friendship University of Russia, Chairman of the Organizing Committee of the 5th Congress of Russian Society for Medical Elementology (RUSTEM)</i></p> <p>Alexey Abramov, Muriel Bost, Michael Aschner, Chao-Ming FU, Jean Neve, Ivan Radish, Igor Bobrovniksky, Alexander Tambiev, Alexey Danilov, Sergey Yudin</p>
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<p>9:30 – 10:30</p>	<p>Michael Aschner, New York, USA <i>Yeshiva University Professor, Department of Molecular Pharmacology Professor, Dominick P. Purpura Department of Neuroscience Professor, Department of Pediatrics Harold & Muriel Block Chair in Molecular Pharmacology Director, Einstein Center of Toxicology</i></p> <p>Mechanisms of Manganese Induced Neurotoxicity: From Worms to Human Neonates</p>
<p>10:30 – 11:30</p>	<p>Jean Neve, Brussels, Belgium <i>Professor, The Faculty of Pharmacy, Université libre de Bruxelles Former President of FESTEM</i></p> <p>30 Years of Biotic Médecine: Evolution of Concepts on Optimal Essential Trace Element Intakes</p>
<p>11:30 – 12:00</p>	<p>Coffee break</p>
	<p>Chairman - Margarita Skalnaya, co-chairman - Ivan Radish</p>
<p>12:00 – 12:20</p>	<p>Margarita Skalnaya, Moscow, Russia (speaker) <i>MD, PhD, Professor of Department for Medical Elementology, People Friendship University of Russia, Chairman of the Organizing Committee of the 5th Congress of Russian Society for Medical Elementology (RUSTEM)</i></p> <p>Julia Lobanova, Moscow, Russia <i>PhD, Associate Professor of Department for Medical Elementology, People Friendship University of Russia, Head of the Laboratory «Micronutrients»</i></p> <p>Approaches to the search for biomarkers of manganese deficiency</p>
<p>12:20 – 12:40</p>	<p>Alexey Tinkov, Moscow, Russia <i>Ph.D., Associate Professor of Department for Medical Elementology, People Friendship University of Russia,</i></p> <p>Hair and serum trace elements in autism spectrum disorders in relation to clinical severity</p>

<p>12:40 – 13:00</p>	<p>Nadezhda Golubkina, Moscow, Russia (speaker) <i>Ph.D., Chief Researcher Officer of the Laboratory and Analytical Center, Federal Research Centre All-Russian N.I.Vavilov Institute of Plant Industry</i></p> <p>Odontsetseg Brown <i>Postgraduate Student, Irkutsk State Medical University</i></p> <p>Inna Tarmaeva <i>MD, PhD, Professor, Head of the Department for Occupational Health and Hygiene, Irkutsk State Medical University</i></p> <p>Anomalously low selenium status of domestic animals and humans in conditions of extremely high groundwater loading with Se, Li, F, NO₃, B, Cd and As in Mongolia</p>
<p>13:00 – 13:30</p>	<p>Discussion</p>
<p>13:30 – 14:30</p>	<p>Lunch</p>
	<p>The chairman – Nataliya Stepanova, the co-chairman – Alexander Nakoskin</p>
<p>14:30 – 14:50</p>	<p>Igor Zlatsky, Moscow, Russia <i>Ph.D., Department for Pharmaceutical and Toxicological Chemistry; People Friendship University of Russia</i></p> <p>Effect of deuterium on the biological properties of adipose tissue culture in vitro.</p>
<p>14:50 – 15:10</p>	<p>Elena Zhukovskaya, Moscow, Russia <i>MD, Ph.D., Professor, Head of the Department for Treatment and Rehabilitation of Older age patients with hematological pathology Dmitry Rogachev National Research Center of Pediatric Hematology, Oncology and Immunology</i></p> <p>Genetic aspects of trace elements imbalance</p>
<p>15:10 – 15:30</p>	<p>Olga Aisukakova, Moscow, Russia <i>Ph.D., Leading Researcher, Laboratory of Metabolomics, All-Union Scientific Research Institute of Medicinal and Aromatic Plants (VILAR)</i></p> <p>Perspectives of applying speciation analysis in fundamental biology and medicine</p>

<p>15:30 – 15:50</p>	<p>Alexander Nakoskin, Moscow, Russia <i>Ph.D., Head of the Laboratory of Metabolomics, All-Union Scientific Research Institute of Medicinal and Aromatic Plants (VILAR)</i></p> <p>Aminoacyl complexes of calcium</p>
<p>15:50 – 16:10</p>	<p>Svetlana Alekseenko, St. Petersburg, Russia <i>Ph.D., Associate Professor, Rauchhfus Children's Hospital</i></p> <p>The role of essential and toxic trace elements in the development of chronic sinusitis in children</p>
<p>16:10 – 16:30</p>	<p>Maria Mumrikova, Moscow, Russia <i>Resuscitator, Neonatologist, Perinatal Center of the Moscow City Clinical Hospital No 24</i></p> <p>Impact of the elemental status of women on the course and outcome of pregnancy and the health of newborns</p>
<p>16:30 – 16:50</p>	<p>Irina Zaitseva, Yaroslavl, Russia <i>Associate Professor of the Department for Physical Education and Sports, PG Demidov Yaroslavl State University</i></p> <p>Influence of the elemental status of the organism on indicators of physical development and functional preparedness of students</p>
<p>16:50 – 17:00</p>	<p>Bassam H. Kabki, Hafar al-Batin, Saudi Arabia <i>MD, Prevention and Treatment Laboratories</i></p> <p>Medical elementology in clinical practice in Saudi Arabia</p>
<p>17:00 – 17:30</p>	<p>Discussion</p>
<p>17:00</p>	<p>Muriel Bost, Anatoly Skalny Round Table of «Trace element – Institute for UNESCO»</p>
<p>18:00</p>	<p>Dinner</p>

SEPTEMBER 22

	<p>The chairman - Nadezhda Golubkina, co-chairman - Alexander Tambiev</p>
<p>9:00 – 10:00</p>	<p>Chao-Ming FU, Taipei, Taiwan <i>Director, Science and Technology Division, Representative Office in Moscow, TMECCC Professor; Department of Physics, National Taiwan University, Taipei 10617, Taiwan (R.O.C)</i></p> <p>Biocompatible iron oxides nano-particles labeled with radioisotope as tracer for in vivo pharmacokinetics study and medical applications</p>
<p>10:00 – 10:20</p>	<p>Anatoly Skalny, Moscow, Russia <i>MD, PhD, Professor, Head of Department for Medical Elementology, People Friendship University of Russia; chairman of Russian Society for Medical Elementology (RUSTEM)</i></p> <p>Michael Aschner, New York, USA <i>Yeshiva University Professor, Department of Molecular Pharmacology Professor, Dominick P. Purpura Department of Neuroscience Professor, Department of Pediatrics Harold & Muriel Block Chair in Molecular Pharmacology Director, Einstein Center of Toxicology</i></p> <p>Neurotoxicology of trace elements: perspectives in Russia</p>
<p>10:20 – 10:40</p>	<p>Ivan Radysh, Moscow, Russia <i>MD, Ph.D., Professor, First Vice-dean for educational and methodical work for Nursing Education; head of the department of nursing activities; People Friendship University of Russia</i></p> <p>Seasonal changes of plasma trace elements in women of different ethnic groups</p>
<p>10:40 – 11:00</p>	<p>Kirill Kuzmichev, Nizhny Novgorod, Russia <i>4th year student of the Medicine Faculty of Federal State Budgetary Educational Institution of Higher Education” Privolzhsky Research Medical University” of the Ministry of Health of the Russian Federation</i></p> <p>Comparative analysis of elemental status in benign and malignant brain tumors</p>
<p>11:00 – 11:30</p>	<p>Coffee break</p>

	Chairman – Svetlana Notova, co-chairman – Julia Lobanova
11:30 – 11:50	<p>Irina Oblamskaya, St. Petersburg, Russia <i>Researcher assistant, post-graduate student; Federal State Budgetary Research Institution "Institute of Experimental Medicine" (FSBRI "IEM")"</i></p> <p>Intranasal exposure of manganese induces neuroinflammation, brain energy metabolism disturbance and calpain activation</p>
11:50 – 12:10	<p>Natalia Stepanova, Kazan, Russia <i>Ph.D., Professor of the Department of Bioecology, Hygiene and Public Health, "Kazan Federal University", Institute of Fundamental Medicine and Biology</i></p> <p>Regional assessment of the impact of mercury on the child population health</p>
12:10 – 12:30	<p>Marina Kapitalchuk, Tiraspol, Moldova <i>Ph.D., Associate Professor, Taras Shevchenko Transnistria State University</i></p> <p>Ivan Kapitalchuk, Tiraspol, Moldova <i>Ph.D., Associate Professor, Taras Shevchenko Transnistria State University</i></p> <p>Elena Kekina, Moscow, Russia <i>Ph.D., "Russian Medical Academy of Continuous Professional Education" of the Ministry of Healthcare of the Russian Federation</i></p> <p>The role of trace elements in sociobiology</p>
12:30 – 12:50	<p>Elena Salnikova, Orenburg, Russia <i>Ph.D., Associate Professor, Orenburg State University</i></p> <p>Ecological and geochemical characteristics of lead content in the Orenburg region</p>
12:50 – 13:10	<p>Alexander Tambiev, Moscow, Russia <i>Ph.D., Professor, Moscow State University named after MV Lomonosov</i></p> <p>Study of trace elements' accumulation by cyanobacteria of the genus Spirulina</p>
13:10 – 14:00	Lunch

	<p>Chairman - Anna Mazaletskaya, co-chairman - Anatoly Kirichuk</p>
<p>14:00-14:10</p>	<p>Marina Kapitalchuk, Tiraspol, Moldova <i>Ph.D., Associate Professor, Taras Shevchenko Transnistria State University</i></p> <p>Ivan Kapitalchuk, Tiraspol, Moldova <i>Ph.D., Associate Professor, Taras Shevchenko Transnistria State University</i></p> <p>Elena Kekina, Moscow, Russia <i>Ph.D., "Russian Medical Academy of Continuous Professional Education" of the Ministry of Healthcare of the Russian Federation</i></p> <p>Challenges of assesement of Iodine deficiency disorders in Moldova</p>
<p>14:10 – 14:20</p>	<p>Andrey Skalny, Moscow, Russia (speaker) <i>Assistant professor of Department for Medical Elementology, People Friendship University of Russia</i></p> <p>Anatoly Kirichuk, Moscow, Russia <i>Ph.D., Head of the Household Department; People Friendship University of Russia</i></p> <p>Schoolchildren’s anthropometric data, elemental status and nutrition: evident linkage</p>
<p>14:20 – 14:30</p>	<p>Tatyana Korobeinikova, Moscow, Russia <i>Ph.D., Assistant professor of Department for Medical Elementology, People Friendship University of Russia</i></p> <p>Possible micronutrient deficiencies in a vegetarian diet</p>
<p>14:30 – 14:40</p>	<p>Andrey Grabeklis, Moscow, Russia (speaker) <i>PhD, Associate Professor of Department for Medical Elementology, People Friendship University of Russia</i></p> <p>Odontsetseg Brown <i>Postgraduate Student, Irkutsk State Medical University</i></p> <p>Elemental status of ore-dressing plant workers in Mongolia</p>
<p>14:45 – 17:00</p>	<p>Poster session</p>
	<p>The Best Poster Award</p>

<p>15:00 – 16:30</p>	<p>Simposium of Institute of Interdisciplinary Medicine</p> <p>Vera Rusaya, Moscow, Russia <i>Ph.D., Associate professor of the Department of Nervous Diseases; I.M. Sechenov First Moscow State Medical University</i></p> <p>Role of zinc in the pathogenesis of Multiple sclerosis</p> <p>Anna Pilipovich, Moscow, Russia <i>Ph.D., Associate professor of the Department of Nervous Diseases; I.M. Sechenov First Moscow State Medical University</i></p> <p>Role of trace elements in the pathogenesis and treatment of neurodegenerative diseases</p>
<p>17:00</p>	<p>Anatoly Skalny, Moscow, Russia <i>MD, PhD, Professor, Head of Department for Medical Elementology, People Friendship University of Russia; chairman of Russian Society for Medical Elementology (RUSTEM)</i></p> <p>Margarita Skalnaya, Moscow, Russia <i>MD, PhD, Professor of Department for Medical Elementology, People Friendship University of Russia; Chairman of the Organizing Committee of the 5th Congress of Russian Society for Medical Elementology (RUSTEM)</i></p> <p>Closing</p>