



10th RASA-America Conference Program

November 8-10, 2019

Chapel Hill, NC, USA



Working language Russian (most lectures) and English, Saturday and Sunday Live Streaming (see instructions)

Friday, November 8, 2019 – Marsico Hall #6004, 125 Mason Farm Road, Chapel Hill, NC 27599 RSVP REQUIRED BY THURSDAY, NOVEMBER 4th to: elena@velil.net or inforasausa@gmail.com	
12:00 – 19:00	RASA Membership and meeting registrations
13:00 – 14:00	Russian History and Sociology (Chair – Sergey Chasovskikh (Georgetown University) Marina Litavrina (Professor, Moscow State U), <i>“Rendezvous with Russian emigrant. Reflecting on personal experience.” (Video Recorded)</i> Sergey Chasovskikh (Georgetown University) <i>“Eight minutes with Academician Roald Sagdeev” (fragment of interview recorded).”</i>
14:00 – 16:00	RASA – Pleiades Meeting and Group Discussion on Science Publications (Chairs - Alexander Shustorovich, Chairman, Pleiades Publishing Group, and Alexander Kabanov, President RASA-America) Alexander Kabanov (Professor, U of North Carolina), Nikolai Avanesov (Pleiades Publishing Group) <i>“International journal «Review Journal of Chemistry» / “Chemistry and Materials”</i> Alexander Shustorovich / Nikolai Avanesov (Pleiades Publishing Group) <i>“Science publishing ecosystem: path forward”</i> Alexandra Borissova (AKSON) <i>“How to make journals more appealing and papers more visible”</i>
16:00 – 17:00	RASA Coordinating committee meeting
Saturday, November 9, 2019 – Marsico Hall #4004, 125 Mason Farm Road, Chapel Hill, NC 27599 REGISTER BY THURSDAY, NOVEMBER 4th at: elena@velil.net	
09:00 – 18:00	RASA Membership and meeting registrations
08:50 - 09:00	Opening session (Chair – Alexander Kabanov, President RASA-America, Professor and Director, Center for Nanotechnology in Drug Delivery, U of North Carolina) Igor Efimov, President RASA International Coordinating Committee, Professor and Chair, Department of Biomedical Engineering, George Washington U) Alexey Klimov, Former President of the Russian Academic Group (welcome, recorded)
9:00 – 10:30	Vavilov session – Life Sciences and Cognitive Sciences (Chair – Tatiana Tatarinova, Professor, University of La Verne, Vadim Gladyshev, Harvard University)
 Nikolai I. Vavilov 1887-1943	9:00 – 9:30 Ancha Baranova (Professor, School of System Biology, George Mason University) <i>“Step away of the edge of an illness: Longitudinal monitoring and abatement of stress”</i> 9:30 – 10:00 Maria Polinsky (Professor, University of Maryland) <i>“Cognitive sciences and language diversity”</i> 10:00 – 10:30 Dmitry Gordenin (National Institute of Environmental Health Sciences, NIH) <i>“Mutation load and signatures in yeast and in cancer genomes”</i>
10:30 – 11:00	Coffee break
11:00 – 12:00	Mendeleev session - Chemistry (Co-Chairs – Valery Fokin, Professor, University of Southern California, and Alex Tropsha, Professor, U of North Carolina)
 Dmitri I. Mendeleev 1897-1907	11:00 – 11:30 Sergey Sheiko (Professor, U of North Carolina) <i>“Programmable Design of Tissue-mimetic Materials”</i> 11:30 – 12:00 Anatoliy Popov (Associate Professor of Radiology, U of Pennsylvania) <i>“Smart NIR fluoroprobes for imaging, therapy and fluorescence-guided surgery”</i>
	12:00 – 13:00 Lunch break
	13:00 – 13:30 Alex Spokoyny (Assistant Professor, Department of Chemistry, U of California Los Angeles) <i>“Bonding with Boron”</i>

	13:30 – 14:00 Vladimir Shiltsev (Distinguished Scientist, FermiLab) <i>"Mendeleev - Genius: Table and beyond (vodka, ether, coffee and economy)"</i>
14:00 – 15:30	Abrikosov session – Physics and Astronomy (Chair – Vladimir Shiltsev, FermiLab)
 Alexei I. Abrikosov 1928-2017	14:00 – 14:30 Michael Rubinstein (Professor, Pratt Scholl of Engineering, Duke U) <i>"Unsolved Problems in Polymer and Soft Matter Physics"</i> 14:30 – 15:00 Pavel Groisman (NEFI-NEESPI Project Scientist, NC State University Research Scholar at NOAA National Centers for Environment Information) <i>"Northern Eurasia Earth Science Partnership Initiative: Science Plan, Achievements, and its successor, Northern Eurasia Future Initiative (2002-2019)."</i> 15:00 – 15:30 Alexander Kiselev (Professor of Mathematics, Duke U) <i>"Singularities and Partial Differential Equations"</i>
15:30 – 16:00	Group Photo and Coffee break
16:00 – 17:00	Science and International Collaboration: Past, Present, Future 16:00 – 16:30 Ambassador Jack Matlock (Duke University) <i>"Science and education in US-Russia relations"</i> 16:30 – 17:00 Vitaly Pronskikh (Applications Physicist II, Fermi National Accelerator Laboratory), <i>"US-USSR collaboration in high-energy physics during the Cold war"</i>
17:00 – 18:00  George A. Gamow 1904-1968	Gamow Award Session (Chair – Konstantin Sonin , Professor, U of Chicago, Tatiana Bronich , Professor, U Nebraska) 17:00 – 17:30 Vera Serganova (Professor of Mathematics, U of California, Berkeley) <i>"Symmetries and supersymmetries"</i> 17:30 – 18:00 Valery Fokin (Professor of Chemistry, U of Southern California) <i>"Chemical Insights into Biological Complexity"</i>
19:00 – 21:00	Dinner (on your own): There is plenty of restaurants nearby on the Franklin street, but advanced reservations on Saturday night are advised
21:00 – 24:00	After Dinner Networking and Discussions <i>Top of the Hill Restaurant & Brewery, 100 East Franklin Street, Chapel Hill, NC 27514</i>
Sunday, Nov. 10, 2018 – Marsico Hall #4004, 125 Mason Farm Road, Chapel Hill, NC 27599	
09:00 - 10:30	Pirogov session - Medicine (Chair – Igor Efimov)
 Nikolay I. Pirogov 1810-1881	9:00 – 9:30 Vadim Arshavsky (Professor of Ophthalmology, Duke U) <i>"How to build a light-sensitive organelle"</i> 9:30 – 10:00 Igor Efimov (Professor of Biomedical Engineering, George Washington University) <i>"New generation of bioelectronics"</i> 10:00 – 10:30 Mikhail Lebedev (Senior Research Scientist, Center for Neuroengineering, Duke U) <i>"Brain-computer interfaces for functional restoration, neurorehabilitation, fundamental science, and for fun"</i>
10:30 – 11:00	Coffee break
11:00 – 11:30	Ekaterina Shishatskaya (Professor, Siberian Federal University) <i>"Biodegradable polymers of natural origin – chemical compounds for environmental technologies and agriculture"</i>
11:30 – 12:30	Business and Innovation (Chair – Alexander Polinsky) Alexander Polinsky (CEO, OncoTartis, Inc.) <i>"I developed a great technology, now what?"</i> Alexander Kislukhin (Data Scientist - Clinical Strategy, CommonSpirit Health) <i>"Wallet or Life? – Medicine in USA"</i>
12:30 – 13:00	Closing/Adjourn