

Jędrzej Sniadecki's Memorial Conference "Frontiers in Molecular Life Sciences"
(JSMC2023),
Vilnius, Lithuania, 23rd to 25th May, 2023.

PROGRAM

May 23, 2023 Tuesday			
Time	Duration	Session details	Venue
15:30-16:30		Registration	Vilnius University Address: Universiteto str. 3
16:30	10-15 min.	Walk from Vilnius university to Ministry of Science, Education and Sports of Lithuania	Ministry of Science, Education and Sport of Lithuania Address: A. Volano str. 2
17:00-17:30	30 min.	Opening, welcome	
17:30-18:30	30 min.	Key lecture	
18:30-20:00		Welcome party	
May 24, 2023 Wednesday			
09:30-10:30	1 hour	<i>Plenary lecture Marta Lourenço</i>	Center for Physical Sciences and Technology Address: Saulėtekio al. 3
10:30	5 min.	Walk to the VU Life Sciences Center	
Session Molecular foundations of life			Vilnius University Life Sciences Center (LSC) Address: Saulėtekio av. 7 (close to the Center for Physical Sciences and Technology)
11:00-11:30	30 min.	<u>Plenary lecture</u> . Chemical epigenetics: from disease mechanisms to diagnostic tools. <i>Saulius Klimašauskas, Vilnius University</i>	
11:30-11:50	20 min.	Type III CRISPR antiviral defense in bacteria. <i>Gintautas Tamulaitis, Vilnius University</i>	
11:50-12:10	20 min.	Tackling tumor heterogeneity with scRNA-Seq <i>Linas Mažutis,, Vilnius University</i>	
12:10-12:30	20 min.	Viruses of bloom-forming cyanobacteria - infection strategies. <i>Dariusz Dziga, Jagiellonian University, Krakow</i>	
12:30-12:45	15 min.	Understanding and engineering plant-endophyte interactions for improved crop growth and resilience. <i>Danas Baniulis. Lithuanian Research Centre for Agriculture and Forestry</i>	
12:45-13:00	15 min.	Plant stress response induced by seed exposure to cold plasma and electromagnetic field. <i>Vida Mildažienė, Vytautas Magnus University</i>	
13:00-14:00	1 hour	Lunch	

Session Biomedicine		
14:00-14:30	30 min.	<u>Plenary lecture.</u> Mitochondrial potassium channels and cardioprotection. <i>Adam Szewczyk, Nencki Institute of Experimental Biology</i>
14:30-14:50	20 min.	Neuronal sialylation in neural circuitry remodelling: insights from a mouse model and human surgical tissue. <i>Urte Neniskyte, Vilnius University</i>
14:50-15:10	20 min.	Insight into cell communication: from apoptotic bodies down to exomeres. <i>Aistė Jekabsone, Lithuanian University of Health Sciences</i>
15:10-15:30	20 min.	One step closer to 3D bioprinted meniscus. <i>Jakub Rybka, Adam Mickiewicz University</i>
15:30-16:00		Coffee break
Session Genetic diversity and Systems biology		
16:00-16:30	30 min.	<u>Plenary lecture.</u> Mechanisms and processes generating genetic variation - genomics and archaeogenomics. <i>Marek Figlerowicz, Institute of Bioorganic Chemistry, Polish Academy of Sciences</i>
16:30-16:50	20 min.	Structural variation of baruol biosynthesis gene cluster in Arabidopsis accessions is associated with the climatic gradient <i>Agnieszka Żmieńko, Institute of Bioorganic Chemistry Polish Academy of Sciences</i>
16:50-17:10	20 min.	Genomic characterization of invasive <i>Neisseria meningitidis</i> strains isolated in Lithuania in 2009-2019, <i>Milda Plečkaitytė, Vilnius University</i>
17:10-17:30	20 min.	SARS-CoV-2 genomic surveillance: the Lithuanian story. <i>Emilija Vasilūnaitė, Vilnius University</i>
17:30		Transfer to hotels
18:30-20:00		Conference dinner*
May 25, 2023 Thursday		
Session Bioinformatics		
09:30-10:00	30 min.	<u>Plenary lecture.</u> Application of bioinformatics to study diversity and distribution of bacterial DNA polymerases <i>Česlovas Venclovas, Vilnius University</i>
10:00-10:20	20 min.	Sharing scientific data: the crystallography experience. <i>Saulius Gražulis, Vilnius University</i>
10:20-11:00	40 min.	Coffee break
Session Biomedicine and Biotechnology		
11:00-11:30	30 min.	<u>Plenary lecture.</u> Induced pluripotent stem cells and gene editing for disease modelling and experimental therapies. <i>Jozef Dulak, Jagiellonian University</i>

Vilnius University
Life Sciences
Center (LSC)
Address:
Saulėtekio av. 7

11:30-11:50	20 min.	miRNA and gut microbiota signatures of vulnerability to food addiction in mice and humans. <i>Aurelijus Burokas, Vilnius University</i>
11:50-12:10	20 min.	The inhibitors and nanoparticles in cancer therapy. <i>Joanna Dulińska-Litewka, Jagiellonian University</i>
12:10-12:25	15 min.	Design of isozyme-selective inhibitors via engineering of chimeric carbonic anhydrases. <i>Joana Smirnovienė, Vilnius University</i>
12:25-12:40	15 min.	Development of monoclonal antibodies against human endoplasmic reticulum proteins as a tool for their immunodetection and quantification. <i>Martynas Simanavičius, Vilnius University</i>
12:40-14:00		<i>Lunch</i>
14:00-15:30	1,5 hour	Poster session
15:30-16:00	30 min.	<i>Coffee break</i>
16:00-17:30	1,5 hour	Closing session (with discussion of collaboration between PL and LT national biochemical societies and researchers)
17:30		End of the conference

*Conference dinner should be paid separately (70 Eur)