

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	
15:30-17:00		Registration	Maironio str. 11	
17:00-17:30	30 min.	Opening, welcome	Ministry of Science, Education and Sport of Lithuania, A.Volano str. 2 (close to Maironio str. 11)	
17:30-18:30	30 min.	Key lecture		
18:30-20:00		Welcome party	Maironio str. 11	
May 24, 2023 Wednesday				
09:00-11:00		Registration	Life Sciences Center, Saulėtekio av. 7	
09:30-10:30	1 hour	<i>Plenary lecture</i> <i>Marta Lourenço</i>	Center for Physical Sciences and Technology, Saulėtekio av. 3	
Session Molecular foundations of life <i>Moderators: Saulius Serva, Marek Figlerowicz</i>			Life Sciences Center, Saulėtekio av. 7, (close to the Center for Physical Sciences and Technology)	
10:50-11:00	10 min.	Welcome at Life Sciences Center (LSC). <i>Edita Sužiedėlienė (Vice-Rector of Vilnius University), Daumantas Matulis (Director of LSC)</i>		
11:00-11:30	30 min.	Plenary lecture. 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			
<i>Moderators: Vida Mildažienė, Joanna Dulińska-Litewka</i>			
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>Urtė Neniškytė, 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			
<i>Moderators: Česlovas Venclovas, Jozef Dulak</i>			
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 (for ticket holders only)	
May 25, 2023 Thursday			
Session Bioinformatics			Vilnius University Life Sciences Center (LSC) Address: Saulėtekio av. 7
<i>Moderators: Justas Dapkūnas, Marek Figlerowicz</i>			
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		
<i>Moderators: Milda Plečkaitytė, Dariusz Dziga</i>		
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>
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		Lunch
14:00-15:30	1,5 hour	Poster session
15:30-16:00	30 min.	Coffee break
Closing session		
<i>Moderators: Saulius Serva, Adam Szewczyk, Vida Mildažienė</i>		
16:00-16:10	10 min.	Life Sciences Center – the story of success. <i>Daumantas Matulis, Life Sciences Center</i>
16:10-16:25	15 min.	Advancing genome editing technologies: An EMBL - Vilnius University partnership. <i>Stephen Knox Jones, EMBL Partnership Institute</i>
16:25-17:30	65 min,	Panel discussion about the collaboration opportunities between Polish and Lithuanian biochemical societies and research groups
17:30		End of the conference