

SKBS 2024 PROGRAM

Wednesday, June 12, 2024

12:10 - 14:00	Registration/Lunch	
14:00 - 14:10	Conference opening	
	Chair – M. Cagalinec	
14:10 - 14:55	PL1	G. Žoldák <i>Frustrations in multidomain proteins</i>
14:55 - 15:15	CP1	Company presentation, Uniexport – M. Černík <i>Cutting-edge 3D Raman Imaging in Life Sciences</i>
15:15 - 15:45	Coffee break	
	Chair - A. Marček Chorvátová	
15:45 - 16:05	CP2	Company presentation, Biotech – J. Uskoba , N. Mirza and R. Marrabini <i>PROTEIN OLIGOMERIZATION: Characterization of oligomeric state under varying conditions using the same assay in plasma and buffer</i>
16:05 - 16:45	Flash posters	
16:45 - 18:00	Poster Session I (posters 1 – 15)	
18:10 - 18:15	Welcome drink	
18:15 - 20:00	Dinner	
	Thursday, June 13, 2024	
7:30 - 9:00	Breakfast	
	Chair - M. Klacsová	
9:00 - 9:20	SC1	M. Šimera , M. Veterník, L. Martvoň and I. Poliaček <i>Relationship between stimulus strength and a magnitude of cough response</i>
9:20 - 9:40	SC2	D. Beriková , M. Šimera, O.J. Hovengen, M. Veterník, L. Martvoň and I. Poliaček <i>Limited effect of codeine in the pontine respiratory group</i>
9:40 - 10:00	SC3	M. Gaburjáková and J. Gaburjáková <i>Inhibition of a charge-compensating countercurrent during Ca²⁺ release in the treatment of stress-induced cardiac arrhythmias</i>
10:00 - 10:20	SC4	K. Ondáčová, K. Polčicová, A. Mišák and Z. Ševčíková Tomášková <i>Mitochondrial chloride channel: a CLIC or not a CLIC?</i>
10:20 - 10:50	Coffee break	
	Chair - K. Štroffeková	
10:50 - 11:10	SC5	V. Hovanová, A. Hovan, M. Humeník and E. Sedlák <i>Analysis of fibrillization mechanism of the recombinant core spidroin eADF4(C16) from <i>Araneus diadematus</i></i>
11:10 - 11:30	SC6	A. Antošová , M. Gančár, J. Marek, Z. Gažová <i>α-lactalbumin amyloid fibrillization in the presence of Hofmeister anions</i>
11:30 - 11:50	SC7	E. E. Barrera <i>In silico peptide design to disable the p53 pathway</i>

11:50 – 12:10	CP3	Company presentation – Nanotemper – P. Wardega and P. Kania <i>Unlocking Membrane Proteins: Insights into Structure and Interactions with NanoTemper Technologies platforms</i>
12:10 - 14:00	Lunch	
14:00 - 14:10	SKBS Awards Ceremony	
14:10 - 14:55	AW1	SKBS Awardees' presentation (senior): A. Zahradníková <i>David and Goliath: the power of small ions to regulate the large channel</i>
14:55 - 15:15	AW2	SKBS Awardees' presentation (young): A. Hovan , K. Felčíková, Gregor Bánó and E. Sedlák <i>LOV-domains as genetically encoded photosensitizers and flavin carriers</i>
15:15 - 15:45	Coffee break	
15:45 - 16:45	General assembly of the SKBS/photo	
16:45 - 18:00	Poster Session II (posters 16 – 30)	
18:10 - 18:15	Book launch (Rozvoj biofyziky na Slovensku)	
19:00 - 22:00	Conference dinner	
Friday, June 14, 2024		
7:30 - 9:00	Breakfast	
Chair - D. Jancura		
9:20 - 9:40	SC8	K. Štroffeková and Z. Bednáriková <i>Comparison of α-synuclein aggregates in non-differentiated and differentiated SH-SY5Y cells treated by rotenone and photobiomodulation</i>
9:40 - 10:00	SC9	A. Marček Chorvátová , M. Uherek, A. Mateašík and D. Chorvát <i>Application of microscopy and spectroscopy methods for evaluation of the presence of microplastics in the aquatic environment with living organisms</i>
10:00 - 10:20	SC10	V. Huntošová , S. Olejárová, C. Slabý, G. Bánó, Z. Jurašková, T. Vasylyshyn, V. Patsula and D. Horák <i>Multimodal character of photon-upconverting nanoparticles for bioimaging of glioblastoma</i>
10:20 - 10:50	Coffee break	
Chair - G. Bánó		
10:50 - 11:10	SC11	M. Klacsová and D. Uhríková <i>Effect of Lipid Composition on Interaction of GC376 Antiviral with Membrane Bilayer</i>
11:10 - 11:30	SC12	J. Staničová , V. Verebová and A. Strejčková <i>Medical biophysics in the study of medicine and pharmacy</i>
11:30 - 11:50	SC13	M. Šimera , N. Višňovcová, M. Veterník, J. Misek, O. Králiková, L. Cibulková and I. Poliaček <i>Teaching of Medical Biophysics at the Jessenius Medical Faculty in Martin</i>
11:50 - 12:10	Concluding remarks	
12:10 - 14:00	Lunch	