

THE ANNUAL INTERNATIONAL CONFERENCE OF THE RSBMB 2024
September 25, 2024 - September 27, 2024

Section	Poster no.	Participant name(s)	Poster title
Molecular and Cellular Medicine - Day 1	P1	Adela Neacsu si Vlad Buica	The Role of Two-Pore Channel Proteins (TPCs) in Colorectal Cancer and Inflammatory Bowel Disease: Insights from a Romanian Patient Cohort and the Characterisation of TPC2 in IBD Pathophysiology
	P2	Monica Tudor	p21-activated kinases as new potential co-targets of tissue transglutaminase for the treatment of ovarian cancer
	P3	Ştefan Miron	Curcumin reverses irinotecan resistance in colorectal cancer cells: molecular insights from whole transcriptomic data
	P4	Gheorghita Isvoranu	Inhibiting TGF- β signaling restores the function of cytokine-activated Natural Killer cells
	P5	Cristina Manuela Dragoi	Cytokines and Vitamin D: Key Biomarkers in Heart Failure Therapeutic Strategies
	P6	Aimee Rodica Chis	Hsa-miR-19a/b as levodopa therapy responder in Parkinson's disease
	P7	Paula Ciordas	Plasma hsa-miR-19b response to immunotherapy in Non-Small Cell Lung Cancer patients
	P8	Ioan-Ovidiu Sirbu	Differences in 3p/5p miRNA quantification are independent of the microRNAs' GC content and secondary structure stability
	P9	Mirabela Romanescu	Analysis of the hsa-miR-130a and hsa-miR-365a -3p/-5p ratios in prostate cancer biofluids
	P10	Diana-Georgiana Năvligu	Deciphering the cellular effects of a non-visual opsin receptor, OPN3
Functional Genomics, Proteomics and Bioinformatics - Day 1	P11	Alexandru Filippi	Bioinformatic analysis of the genes correlated with prostate adenocarcinoma differentiation
	P12	Catalin Tucureanu	Sequence optimisation for mRNA vaccines
	P13	Maria Cristina Preda-Sburlea	A Bioinformatics Approach to Limiting Central Nervous System Inflammation by Targeting TRPV1
	P14	Marius Mihasan	A compensatory research study to evaluate the impact of 3D-printed molecular models on teaching protein and DNA structure
	P15	Amada El-Sabeh	A multiomic analysis of nicotine degradation via the pyridine pathway in <i>Paenarthrobacter nicotinovorans</i> ATCC 49919
	P16	Maria Paula Ciurlic	Recovering a lost sequence – the pH6EX3 cloning and expression plasmid
	P17	Mihaela Tanas	Sequence based bioinformatics analysis of 61 plasmids related to pAO1 megaplasmid of <i>Paenarthrobacter nicotinovorans</i>
Plant and Food Biochemistry - Day 1	P18	Iulia-Denisa Doboş	Enhanced antitumor activity of anthocyanins from red grapes and red cabbage after gastrointestinal digestion: effects on colorectal cancer cells
	P19	Adrian Cristian Orădan	The quality of pork burgers enhanced by the extract of <i>Prunus serotina</i> fruits.

Cellular and Molecular Biochemistry - Day 2	P20	Stefania-Ariadna Buzatoiu	GPR27 modulates Hepatitis B Virus internalization
	P21	Cosmin Trif	Prostacyclin receptor inhibition of TRPM8 function requires involvement of Gq proteins
	P22	Sorina-Andreea Anghel	GPR27: Breaking the Norms of Conventional GPCR Signaling
	P23	Ramona Mihaela Tecucianu	GPR75 receptor trafficking and its role in insulin secretion
	P24	Vlad-Alexandru Toma	Characterization of the monomeric hemoglobin from invertebrates (<i>Chironomus sp.</i>)
	P25	Cristiana Trita	Beyond the Membrane: Nuclear Localization and Non-Canonical Signaling of GPR153 and GPR162
	P26	Rodica - Aura Badea	Investigation of signaling pathways modulated by GPR27
	P27	Romana Vulturar	Inherited Metabolic Diseases: Mitochondrial Involvement in an ATP Synthase Defect as a Deficiency of Assembly Factor, Comparison with a Defect of Urea Cycle Disorder, implications for clinical approach
	P28	Claudia-Andreea Moldoveanu	Unraveling the complexities of cerebral cortex peroxidase behavior in parkinson's disease: examining correlations with inflammation and redox homeostasis
	P29	Andra Cosoreanu	Exploration of Tau protein auto-acetylation mechanism
	P30	Andreea-Mihaela Mleşniță	How does the bacterial YidC insertase binds mRNA?
P31	Kristin Fox	BioMolViz: A Community Improving Education in Biomolecular Visualization	
Health and Environmental Bio- and Nanotechnologies - Day 2	P32	Madalina Icriverzi	Cell behaviour on novel dental implant-abutment titanium-based modified interfaces
	P33	Andreea Gostăviceanu	Synthesis and characterization of Buforin derivatives
	P34	Vlad-Constantin Tofan	Elastin-like polypeptides as nanoparticle platforms for antigen delivery
	P35	Mahoub Ismael	Design of a simple, inexpensive SERS substrate optimized for rapid detection of nucleic acids
	P36	Lucian-Mihai Stanescu	Establishing specific chiral based separation methods for polypeptides with different side chains
	P37	Stefana Orobeti	SKOV3 actin-GFP ovarian cancer stable cell lines for 4D imagistic analysis of cancer cell processes upon treatment with chemo- and FLASH radiotherapy
	P38	Anca-Daniela Stoica	Innovative treatment based on non-steroidal anti-inflammatory drug (NSAID) formulations for chronic diseases
	P39	Tiberius Iustin Munteanu	Development of a biotransformation assay for converting nicotine into 6-hydroxy-L-nicotine using <i>Paenarthrobacter nicotinovorans</i> NCAIM P(B) 001499