

ANNUAL INTERNATIONAL CONFERENCE
of the ROMANIAN SOCIETY of BIOCHEMISTRY and
MOLECULAR BIOLOGY
Iași, 26-27th September 2019

Preliminary programme

Thursday, 26.09.2019				
8:00 – 9:00	Registration, The Hall of the Echoing Footsteps, Alexandru Ioan Cuza University of Iasi, Building A, Bulevardul Carol I, Nr.11, 700506, Iași, România			
9:00 – 9:15	Welcome Speech – Iasi or SRBBM / quick facts about the upcoming event, Aula Magna „Mihai Eminescu” Alexandru Ioan Cuza University of Iasi, Building A, Bulevardul Carol I, Nr.11, 700506, Iași, România			
Section PB: Proteins biochemistry: proteomics, structure and function				
9:15 – 10:00	PB_O_06	Minh	David	ABSOLUTE BINDING FREE ENERGIES FROM BINDING FREE ENERGIES TO MULTIPLE RIGID RECEPTOR CONFORMATIONS
10:00 – 10:30	SFEG_O_02	Petrescu	Andrei-Jose	COMPUTATIONAL ASSISTED WORK IN STRUCTURAL IMMUNOBIOLOGY
10:30 – 10:50	PB_O_05	Spiridon	Laurentiu	GMOLMODEL - A METHOD TO OVERCOME CONFORMATIONAL SAMPLING HURDLES USING ROBOTICS
10:50 – 11:10	Coffee Break			
11:10 – 11:40	PB_O_04	Petrescu	Stefana-Maria	ENDOPLASMIC RETICULUM QUALITY CONTROL AND PROTEIN MISFOLDING
11:40 – 12:00	PB_O_02	Mihasan	Marius	NICOTINE-INDUCED PROTEOME OF SURPRISINGLY USEFUL MICROORGANISM: PAENARTHAROBACTER NICOTINOVORANS PAO1
12:00 – 12:20	PB_O_03	Gradinaru	Vasile Robert	PRODUCTION AND CHARACTERIZATION OF A NEW FUNGAL EXTRACELLULAR LIPASE
12:30– 14:30	Lunch Break and Poster session, posters PB_P_xx; SFEG_P_xx; BN_P_xx			
Section BN: Bio and nanotechnologies for biomedical and environmental research				
14:30 – 15:15	BN_O_04	Farcasanu	Ileana Cornelia	HEAVY METAL ACCUMULATION BY YEAST CELLS ARMED WITH METAL-BINDING PEPTIDES TARGETED TO THE INNER FACE OF PLASMA MEMBRANE
15:15 – 15:35	BN_O_01	Licarete	Emilia	TARGETING MELANOMA MICROENVIRONMENT WITH LIPOSOMAL PREDNISOLONE IMPROVED THE THERAPEUTIC OUTCOME OF LIPOSOMAL DOXORUBICIN
15:35 – 15:55	BN_O_02	Patras	Laura	DUAL ROLE OF CANCER-DERIVED EXTRACELLULAR VESICLES IN THE MODULATION OF TUMOR MICROENVIRONMENT

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16:00 - 16:20	Coffee Break			
16:20 - 16:40	BN_O_03	Necula-Petrareanu	Georgiana	COLD ACTIVE ALDEHYDE DEHYDROGENASE-BASED BIOSENSORS
16:40 - 17:00	BN_O_04	Trif	Mihaela	CHARACTERIZATION AND IN VITRO BIOCOMPATIBILITY EVALUATION OF POLYMER NANOPARTICLES POLY (D, L-LACTIDE-CO-GLYCOLIDE) (PLGA) -AS DRUG DELIVERY DEVICES
Section SFEG: Structural, functional and evolutionary genomics				
17:00 - 17:20	SFEG_O_01	Bunu	Gabriela	SYNERGISM AND ANTAGONISM IN AGING
17:20 - 17:40	SFEG_O_02	Crăciun	Adrian	IMPROVING THE ACCURACY AND REPRODUCIBILITY OF MICROBIOME MEASUREMENTS ACROSS LABS
19:00	Gala dinner – further information is TBA			

Friday, 27.07.2019				
Section MCB: Molecular and Cellular Biology, including medical applications				
9:00 - 9:30	MCB_O_01	Zamfir	Alina	DEVELOPMENT OF ADVANCED MASS SPECTROMETRIC PLATFORMS FOR GLYCOCONJUGATE MAPPING, BIOMARKER DISCOVERY AND STUDY OF THEIR FUNCTIONAL INTERACTIONS
9:30 - 9:50	MCB_O_11	Chiritoiu	Marioara	GRASP55 REGULATES IRE1ACTIVITY WHICH IN MACROPHAGES CONTROLS INTERLEUKIN-1 SECRETION AND AGGREGATION
9:50 - 10:10	MCB_O_03	Rauca	Valentin-Florian	SHIFTING THE BALANCE TOWARDS AN ANTI-TUMORIGENIC MELANOMA MICROENVIRONMENT VIA CO-ADMINISTRATION OF LIPOSOME-ENCAPSULATED SIMVASTATIN AND DMXAA IN VIVO
10:10 - 10:30	MCB_O_06	Cruceriu	Daniel	THE DUAL ROLE OF TUMOR NECROSIS FACTOR ALPHA (TNF- α) IN 3D BREAST CANCER CELL MIGRATION
10:30 - 11:00	Coffee Break			
11:00 - 11:30	MCB_O_07	Sima	Livia	ROLE OF TISSUE TRANSGLUTAMINASE IN ANTI-TUMOR IMMUNE RESPONSE

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11:30 – 11:50	MCB_O_05	Popa	Ioana	HIGH-THROUGHPUT SCREENING TO IDENTIFY RAGE INHIBITORS FOR CANCER THERAPY
11:50 – 12:10	MCB_O_13	Jitaru	Daniela	TUMORICID POTENTIAL OF CATIONIC PEPTIDES TESTED ON TUMOR CELL LINES
12:10 - 12:20	MCB_P_21	Dinescu	Sorina	ISOLATION AND CHARACTERIZATION OF THE EXOSOMES RELEASED BY THE TRIPLE NEGATIVE BREAST CANCER CELL LINE MDA-MB-231
12:30 – 14:30	Lunch Break and Poster session, posters MCB_P_xx;			
14:30 – 14:50	MCB-O-14	Petre	Brindusa Alina	ENZYMATIC DIAGNOSIS OF LYSOSOMAL STORAGE DISORDERS USING SUBSTRATES FOR FLUORIMETRY AND MRM-MASS SPECTROMETRY
14:50 – 15:10	MCB_O_08	Stefan	Marius	NOVEL SYNTHETIC FLAVONOIDS WITH POTENT ANTIMICROBIAL PROPERTIES: A POTENTIAL SOLUTION TO FIGHT ANTIBIOTIC RESISTANCE
15:10 – 15:30	MCB_O_09	Banica	Alexandra-Maria	FUNCTIONAL INTERACTION BETWEEN THE TRANSIENT RECEPTOR POTENTIAL CATION CHANNEL MEMBER 8 (TRPM8) AND THE PROSTACYCLIN RECEPTOR (PTGIR)
15:30 - 16:00	Coffee Break			
16:00 - 16:20	MCB_O_12	Boiangiu	Razvan Stefan	ANTI-ACETYLCHOLINESTERASE AND PRO-COGNITIVE PROFILE OF COTININE AND 6-HYDROXY-L-NICOTINE IN AN AMYLOID BETA 25-35-INDUCED RAT MODEL OF ALZHEIMER DISEASE
16:20 - 16:30	MCB_P_06	Ororeti	Stefana	OSTEOGENIC DIFFERENTIATION OF MESENCHYMAL STEM CELLS UNDER SIMULATED MICROGRAVITY
16:30 - 16:50	MCB_O_10	Popescu	Costin-Ioan	IDENTIFICATION OF PHOSPHOINOSITIDE METABOLIZING ENZYMES AS NEW HOST FACTORS INVOLVED IN HCV LIFE CYCLE
17:00 – 17:30	Closing Ceremony, Aula Magna „Mihai Eminescu” Alexandru Ioan Cuza University of Iasi, Building A, Bulevardul Carol I, Nr.11, 700506, Iași, România			