

**Wednesday, 20<sup>th</sup> June 2018**

start	end					
8.00	9.00	<b>REGISTRATION, Hotel Palace</b>				
<b>PLENARY LECTURES – COST BM1405 Session / Conference Hall, , Hotel Palace</b> <b>Chairs: Prof. Silvio Tosatto and Dr. Nevena Veljkovic</b>						
9.00	9.10	Introduction				
9.10	9.40	<b>Prof. Burkhard Rost</b> – Implications of dark proteome for precision medicine <i>Technical University of Munich, Germany</i>				
9.40	10.05	<b>Prof. Silvio Tosatto</b> – Computational resources for the study of intrinsically disordered proteins <i>Department of Biomedical Science, University of Padova, Italy</i>				
10.05	10.30	<b>Prof. Salvador Ventura</b> – Combining structural aggregation propensity and stability predictions to re-design protein solubility <i>Institut de Biotecnologia i de Biomedicina &amp; Departament de Bioquímica i Biologia Molecular Universitat Autònoma de Barcelona, Spain</i>				
10.30	11.00	<b>Coffee break</b>		<b>B.Cell Platform / TV Room, Hotel Palace</b> Students platform developed by students from Faculty of Pharmacy and School of Medicine, University of Belgrade		
<b>COST BM1405 Session / Conference Hall, Hotel Palace</b> <b>Chairs: Prof. Silvio Tosatto and Dr. Nevena Veljkovic</b>			<b>Bioinformatics and Data Mining of Biological Data (BiDMBD) / Banquet Hall, Hotel Palace</b> <b>Chair: Dr. Dusanka Savic-Pavicevic</b>			
11.00	11.30	<b>Dr. Alex Bateman</b> – Pfam: 20 years of classifying protein repeat families <i>EMBL-EBI, United Kingdom</i>		11.40	12.05	<b>Prof. Tomasz Grzybowski</b> - Genetic portrait of Central- and Eastern European populations <i>Ludwig Rydygier Collegium medicum, Faculty of Medicine Nicolaus Copernicus University Poland</i>
11.30	11.55	<b>Dr. Peter Tompa</b> – Phase separation in ALS demonstrates the role of RNA binding and low-complexity regions in collective protein functions <i>VIB Structural Biology Research Center, Flanders Institute of Biotechnology, Belgium</i>				
11.55	12.20	<b>Prof. Oxana Galzitskaya</b> – Influence of homo-repeats on the aggregation properties of proteins from 122 proteomes and codon usage in DNA <i>Institute of Protein Research, Russia</i>		12.05	12.30	<b>Dr. Natasa Kovacevic-Grujicic</b> - Insights into the mitochondrial gene pool of Serbian population: phylogenetic and phylogeographic analysis <i>Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Serbia</i>
12.20	12.45	<b>Prof. Nenad Mitic</b> – Disorder predictors precision and accuracy - a computer science view <i>Faculty of Mathematics, University of Belgrade, Serbia</i>		12.30	12.40	<b>Dr. Tim Kacprowski</b> - Circulating miRNAs as Potential Liver-Related Biomarkers <i>Chair of Experimental Bioinformatics, School of Bioinformatics Technical University Munich, Germany</i>

12.45	13.00	Session wrap-up and informal discussions	12.40	12.50	<b>Roman Babenko</b> - FTO haplotyping underlines high obesity risk for European populations <i>Institute of Cytology and Genetics SB RAS, Novosibirsk, Russia</i>
			12.50	13.00	<b>DISCUSSION</b>
13.00	14.00	<b>POSTER SESSION 2 / Conference Hall, Hotel Palace</b> <b>Chair: Dr. Lidija Djokic</b>			
		2.P1 – <b>Nenad B. Popovic</b> - Video-based extraction of movement artifacts in electrogastrography signal 2.P2 – <b>Bogdan Milicevic</b> - Muscle model with net of fibers used for modelling cell migration 2.P3 – <b>Aleksandra Vulovic</b> - Finite Element Analysis of the Modified Hip Implant Surface 2.P4 – <b>Ilektra Ferouka</b> - Discrete simulation of electrospinning jet's evolution 2.P5 – <b>Ulfeta Marovac</b> - Classification of proteins into COG categories based on n-gram patterns 2.P6 – <b>Marko Zivanovic</b> - Optimization of Electrochemical Parameters for Detection of microRNA: Computer Simulation and Experimental Study 2.P7 – <b>Tijana Sustersic</b> - Numerical simulation of electrospinning using PAK and ANSYS software 2.P8 – <b>Ivan Jovanovic</b> - Subtle transcriptomic signals in circulation after myocardial infarction might indicate the ventricular remodeling outcome 2.P9 – <b>Tijana Djukic</b> - Parallelization of software for stent deployment inside artery 2.P10– <b>Milos Anic</b> - Neural Networks Implemented on Aorta with Abdominal Aneurism			
14.00	15.00	<b>LUNCH*</b>			
15.00	15.30	<b>Sponsor Session 2 / Conference Hall</b> <b>Alexander Kirpiy, Vivogen - Ion Torrent™ bioinformatics environment</b>			
15.30	17.00	<b>ROUND TABLE: Experience, Challenges and Networking, Chairs: Prof. Nevena Veljkovic, Prof. Branko Dragovich and Prof. Gordana Pavlovic-Lazetic</b> <b>Coffee break</b>			
<b>20.00</b>		<b>GALA DINNER</b> <b>Restaurant Caruso, Terazije 23/8</b> <a href="http://www.restorancaruso.com/">http://www.restorancaruso.com/</a>			

\* Lunch will start every day at 13.30 and end at 15.30