

Tuesday, 19th June

start	end				
8.00	9.00	REGISTRATION, Hotel Palace			
PLENARY LECTURES / Conference Hall, Hotel Palace					
Chair: Prof. Jan Baumbach					
9.00	9.30	Prof. Konstantin Severinov - Maintenance of plasmid DNA at conditions of countering CRISPR-Cas interference <i>Rutgers University, New Jersey, USA & Skoltech, Moscow, Russia</i>			
9.30	10.00	Prof. Jan Baumbach - Network-based disease classification and de novo endophenotyping <i>Technical University of Munich, Germany</i>			
10.00	10.30	Prof. Blaz Stres - The rare layers of significance <i>University of Ljubljana, Slovenia</i>			
10.30	11.00	Coffee break			
MORNING SESSION / Conference Hall, Hotel Palace		COST CA15120 Session / Banquet Hall, Hotel Palace			
Chair: Prof. Jose Vilar					
11.00	11.25	Prof. Jose Vilar - Inference and prediction in molecular biological systems <i>Department of Biochemistry and Molecular Biology, University of the Basque, Spain</i>	11.00	14.00	MC Meeting COST CA15120, OpenMultiMed
11.25	11.50	Prof. Andrea Ciliberto - Cells proliferating under constant checkpoint activation: adaptation, refractory state and memory <i>The Italian Foundation for Cancer Research, Institute of Molecular Oncology, Italy</i>			
11.50	12.15	Prof. David Studholme - Comparative genomics of a recently emerging epidemic on banana in Sub-Saharan Africa <i>College of Life and Environmental Sciences, University of Exeter, United Kingdom</i>			
12.15	12.35	Prof. Naris Pojskic - Digital reconstruction of partial DNA profiles of human skeletal remains <i>Institute for Genetic Engineering and Biotechnology, University of Sarajevo, Bosnia and Herzegovina</i>			
13.05	14.00	POSTER SESSION 1 / Conference Hall, Hotel Palace			
		Chair: Dr. Andjelo Beletic			
		1.P1 – Saveljic - 3D Simulation of Inflammatory Process in Coronary Arteries			

		1.P2 – Nikolic - Geometry Optimization of Nitinol Stent Design based on FEA Topology Optimisation 1.P3 – Vulovic - Numerical Simulation of Blood Flow and Plaque Progression in Right Femoral Artery Bypass Patient-Specific Case 1.P4 – Nikolic - Modelling of Monocytes Behaviour inside the Bioreactor 1.P5 – Djorovic - Parametric Modelling and Computational Examination of Bicuspid Aortic Valve 1.P6 – Grbic - Conditional Random Fields based approach for classification of the reactants in some metabolic reactions 1.P7 – Stankovic - Binding of metal ions and water molecules to nucleic bases 1.P8 – Milanovic - Inactivation of free radical species with selected triazoles 1.P9 – Avdović - Molecular docking study on the interaction of human procalcitonin with 3-(1-(2-mercaptoethylamino)ethylidene) chroman-2,4-dione 1.P10– Doric - PalFin: A Software Tool to Identify Specific Palindrome Motifs in mtDNA			
14.00	15.00	LUNCH*			
Bioinformatics and Data Mining of Biological Data (BiDMBD) – Oral presentation / Conference Hall, Hotel Palace Chair: Prof. Marko Djordjevic		COST CA15120 Session / Banquet Hall, Hotel Palace Chair: Dr. Paolo Tieri, Dr. Tatjana Loncar-Turukalo and Dr. Filippo Castiglione			
15.00	15.15	Prof. Marko Djordjevic - A Kolmogorov-Smirnov based approach for predicting bacterial transcription targets <i>Faculty of Biology, University of Belgrade, Serbia</i>	15.00	15.15	Dr. Manuela Lautizi - Extracting survival-relevant subnetworks from multi-scale omics data with KeyPathwayMiner
15.15	15.30	Dr. Jelena Guzina - Predicting CRISPR/Cas associated small RNAs and their role in bacterial virulence <i>Faculty of Biology, University of Belgrade, Serbia</i>	15.15	15.35	Dr. Sanja Brdar - Clustering and classification of human microbiome data: evaluating impact of different settings in bioinformatics workflows
15.30	15.40	Dr. Zoe Chervontceva - The role of mRNA secondary structure in the control of translation and mRNA degradation in <i>E. coli</i> <i>Lomonosov Moscow State University, Russia</i>	15.35	15.55	Dr. Vitaly Belik - Modelling Hospital Infection Spread in the Polish Regional Healthcare Network
15.40	15.50	Timothy Krause - Establishing Benchmark Criteria for Single Chromosome Bacterial Genome Assembly <i>University of Nebraska-Lincoln, United States of America</i>			Dr. Ana Casas Guijarro - 3D reconstruction of cerebral reactive oxygen species formation as a gold standard for future in vivo molecular imaging approaches
15.50	16.00	MSc Anđela Rodić - Investigating the role of key features in CRISPR-Cas system regulation <i>Faculty of Biology, University of Belgrade, Serbia</i>	15.55	16.15	
16.00	16.15	DISCUSSION			
16.15	16.45	Coffee break			
16.45	17.15	Sponsor Session 1 / Conference Hall Sarah Nema, QIAGEN - QIAGEN Bioinformatics - The journey so far	16.45	17.15	COST action concluding remarks

Bioinformatics and Data Mining of Biological Data (BiDMBD) – Oral presentation / Conference Hall, Hotel Palace Chair: Prof. Dušanka Savic-Pavicevic			Bioinformatics and Data Mining of Biological Data (BiDMBD) / BI – Oral presentation / Banquet Hall, Hotel Palace Chair: Dr. Velibor Isailovic		
17.15	17.40	Prof. Dušanka Savic-Pavicevic - Identifying modifiers of somatic instability and age at onset in myotonic dystrophy type 1 by modeling genetic data <i>Center for Human Molecular Genetics, University of Belgrade, Faculty of Biology, Serbia</i>	17.15	17.25	Dr. Milos Radovic - Application of Machine Learning Algorithms to Detect Coronary Artery Disease using Genomic Data <i>Bioengineering Research and Development Center, Kragujevac, Serbia</i>
17.35	17.45	Ana Vukovic - Higher-order genetic interactions in prostate cancer and benign prostatic hyperplasia <i>Faculty of Biology, University of Belgrade, Serbia</i>			
17.45	17.55	Dr. Milos Nikolic - GARLIC: A Bioinformatic Toolkit for Etiologically Connecting Diseases and Cell Type-Specific Regulatory Maps <i>Center for Molecular Medicine Cologne, Germany</i>	17.25	17.35	Dr. Velibor Isailovic - Numerical simulation of stent deployment procedure in patient specific coronary artery <i>Faculty of Engineering, University of Kragujevac, Kragujevac, Serbia</i> <i>Bioengineering Research and Development Center, Kragujevac, Serbia</i>
17.55	18.05	Dr. Markus List - Genome-wide endogenous RNA networks highlight novel biomarkers in cancer <i>School of Life Sciences Technical University Munich, Germany</i>	17.35	17.45	MSc Vladimir Simic - Application of multiscale smeared finite element model for modelling of mass transport in capillary systems and biological tissue <i>Bioengineering Research and Development Center BioIRC Kragujevac, Kragujevac, Serbia</i>
18.05	18.15	MSc. Alexandra Kosvyra - Developing an Integrated Genomic Profile for Cancer Patients Utilizing NGS Data <i>Aristotle University of Thessaloniki, Greece</i>	17.45	17.55	MSc Bojana Andjelkovic Cirkovic - Prediction of Pharmacological Treatment for Patients with Coronary Artery Disease <i>Faculty of Engineering, University of Kragujevac, Kragujevac, Serbia</i> <i>BioIRC, Research and Development Center for Bioengineering, Kragujevac, Serbia</i>
18.15	18.25	Dr. Irena Marjanović - Bioinformatics pipeline used for Next Generation Sequencing analysis of predictive markers in hematological malignancies <i>Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Serbia</i>	17.55	18.05	DISCUSSION
18.25	18.35	DISCUSSION			

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