

# **V CONGRESS OF THE SERBIAN GENETIC SOCIETY**

## **Programme**

KLADOVO – BELGRADE, Serbia  
28 September – 02 October 2014

<b>Sunday, September 28</b>	
Kolarac Foundation	
16:00-18:00	<b>Registration</b>
Rectorate of the University of Belgrade	
18:00-18:15	<b>Opening Ceremony</b>
18:15-18:30	<b>Domagoj ŠIMIĆ: Eucarpia presentation</b>
<b>OPENING LECTURE</b>	
18:30-19:00	<b>Theodora KATSILA: Pharmacogenomics and Whole Genome Sequencing</b>
<i>Welcome Cocktail</i>	
<b>Monday, September 29</b>	
Kolarac Foundation	
Registration from 8:00	
<b>PLENARY LECTURES</b>	
<b>Moderators: Ivana NOVAKOVIĆ and Vladimir LAZAREVIĆ</b>	
08:30-08:55	<b>Thomas LIEHR: Small Supernumerary Marker Chromosomes – an Update</b>
08:55-09:20	<b>Branka ZUKIĆ: Pharmacogenomics: the Basis of Personalized Medicine</b>
09:20-09:45	<b>Vladimir LAZAREVIĆ: Effects of Antibiotic Treatments on Oral and Gut Microbiota Assessed by Culture-Independent Bacterial Community Analysis</b>
<b>ORAL PRESENTATIONS</b>	
<b>SESSION I - Human Genome Variation</b>	
09:45-09:55	<b>Marijana SALIHOVIĆ PERIČIĆ: Genetic Heritage of Roma in Croatia</b>
09:55-10:05	<b>Maja STOJILJKOVIĆ: Molecular Genetic Characteristics of Hyperphenylalaninurias in Serbia and Implications for Personalized Medicine</b>
<i>Coffee Break</i>	
<b>PLENARY LECTURES</b>	
<b>Moderators: Dragica RADOJKOVIĆ and Theodora KATSILA</b>	
10:30-10:55	<b>Borut PETERLIN: Clinical Genomics: Time for Implementation</b>
10:55-11:20	<b>Snezana KOJIĆ: Mutations in Sarcomeric Proteins Associated with Cardiovascular Diseases and Myopathies</b>
<b>ORAL PRESENTATIONS</b>	
<b>SESSION II - Medical Genetics 1</b>	
11:20-11:30	<b>Valerija DOBRIČIĆ: First Genetic Analysis of Niemann Pick Type C in Serbian Population</b>
11:30-11:40	<b>Jelena FILIPOVIĆ: High Incidence of Radial Chromosomes in Circulating Lymphocytes Predicts Bone Marrow Failure in Fanconi Anemia Patient</b>
11:40-11:50	<b>Valentina ĐORĐEVIĆ: The Role of 3' End Prothrombin Gene Variants in Pathogenesis of Thrombophilia</b>
11:50-12:00	<b>Danijela DRAKULIĆ: SOXB Genes: from Stemness to Neural Differentiation</b>
12:00-12:10	<b>Branislav ROVČANIN: Analysis of Mutations of mtDNA Among Individuals with Leber's Optic Atrophy</b>
12:10-12:20	<b>Vedrana MILINKOVIĆ: The Impact of p53 and RAS Mutations on Cerebellar Glioblastoma</b>
12:20-12:30	<b>Balázs MURNYÁK: The Effect of TP53 Mutations on the p53 Immunohistochemical</b>

	Expression in Glial Brain Tumours
12:30-12:40	<b>Jelena RUML:</b> Clinical and Molecular Characteristics of „RASopathies”
12:40-13:00	<b>Milena JANKOVIĆ:</b> Mutation Frequency in LRRK2 Gene in Parkinson’s Disease (PD) in Serbia
13:00-13:15	<b>Presentation of sponsor (ELTA90’MS)</b>
<i>Lunch break</i>	
<b>ORAL PRESENTATIONS</b>	
<b>SESSION II - Medical Genetics 2 (Veterinary Medicine)</b> <b>Moderators: Ninoslav ĐELIĆ and Ivana STRAHINIĆ</b>	
15:00-15:10	<b>Bojan GAJIĆ:</b> Molecular Identification of <i>Thelazia callipaeda</i> in Dogs and Cats from Serbia
15:10-15:20	<b>Milan MALETIĆ:</b> Association of Lactoferrin Gene Polymorphism with Mammary Gland Health and Production Characteristics of Holstein-Friesian Cows
15:20-15:30	<b>Milos VUČIĆEVIĆ:</b> Frequency of Polycystic Kidney Disease (PKD) in Population of Persian Cats from Serbia and Comparison Between Ultrasound Diagnosis and Genetic Testing
<b>PLENARY LECTURES</b> <b>Moderators: Branka VUKOVIĆ GAČIĆ and Metka FILIPIČ</b>	
15:35-16:00	<b>Małgorzata DOBRZYŃSKA:</b> Genotoxicity and Reproductive Toxicity of Endocrine Disruptors Delivered from Plastics
16:00-16:25	<b>Metka FILIPIČ:</b> Adverse Effects of the Residues of Cytostatic Drugs to Aquatic Organisms
<b>ORAL PRESENTATIONS</b>	
<b>SESSION III - Genetic Toxicology: From Cell to Ecosystem</b>	
16:25-16:35	<b>Jasna BOŠNJAK:</b> Evaluation of Genotoxicity of Triiodothyronine in Prokaryotic and Eukaryotic Test-Systems
16:35-16:45	<b>Biljana NIKOLIĆ:</b> Opposite Effect of Camphor, Eucalyptol and Thujone on DNA Repair and Mutagenesis: a Question of Dose
16:45-17:00	<b>Presentation of sponsor (East Diagnostics)</b>
17:00-19:00	<b>POSTER SESSION 1</b> <b>(Sessions I, II and III)</b>
<b>Tuesday, September 30</b>	
Kolarac Foundation	
Registration from 8:00	
<b>PLENARY LECTURES</b> <b>Moderators: Marina STAMENKOVIĆ-RADAK and Caudia BANK</b>	
08:30-08:55	<b>Claudia BANK:</b> The Population Genetics of Adaptation
08:55-09:20	<b>Marta PASCUAL:</b> Chromosomal Inversion Polymorphism and Adaptation: <i>Drosophila subobscura</i> Population Studies from Genes to Genome Wide Analyses
09:20-09:45	<b>Mihailo JELIĆ:</b> Is variation in mtDNA neutral? Findings in <i>Drosophila subobscura</i>
<b>ORAL PRESENTATIONS</b> <b>Session IV - Adaptation to Changing Environments</b>	
09:45-09:55	<b>Zorana KURBALIJA NOVIČIĆ:</b> MtDNA Haplotype Variation is Functional in <i>Drosophila subobscura</i>

09:55-10:05	<b>Marija SAVIĆ VESELINOVIĆ:</b> Microhabitat Influence on Genetic Variability in <i>Drosophila subobscura</i>
<i>Coffee Break</i>	
<b>PLENARY LECTURES</b> <b>Moderators: Domagoj Šimić and Violeta Anđelković</b>	
10:30-10:55	<b>Jegor MILADINOVIĆ:</b> New Trends in Plant Breeding: Example of Soybean
10:55-11:20	<b>Domagoj ŠIMIĆ:</b> Pleiotropy: Measurement and Relevance in Plant Breeding
11:20-11:45	<b>Berthold HEINZE:</b> Future Perspectives in Forestry Breeding
<b>ORAL PRESENTATIONS</b> <b>SESSION VII - Pre Breeding and Breeding</b>	
11:45-11:55	<b>Dragan MILIĆ:</b> Intrapopulation and Interpopulation Breeding Strategies for Alfalfa Improvement
11:55-12:05	<b>Vasilije ISAJEV:</b> The Importance of Provenance Research for Forest Genetics and Ecology
12:05-12:15	<b>Milan MATARUGA:</b> Genetic Characterization of Norway Spruce ( <i>Picea abies</i> /L./ Karst) in Bosnia and Herzegovina
12:15-12:25	<b>Vlado KOVAČEVIĆ:</b> Impacts of Heredity on Cadmium Status in Maize
12:25-12:35	<b>Jovan PAVLOV:</b> Correlation Between Genetic Distance, Specific Combining Ability and Heterosis in Maize
12:35-12:45	<b>Valentina SEMENCENKO:</b> Genetic Variability as Background for the Prospects of the Maize Utilisation Development in Bioethanol Production
12:45-12:55	<b>Vladan IVETIĆ:</b> Genetic Diversity and Mass Production of Forest Reproductive Material
<b>ORAL PRESENTATIONS</b> <b>SESSION VIII - New Techniques in Breeding</b>	
12:55-13:10	<b>Vuk ĐORĐEVIĆ:</b> Genetic Hitchhiking Mapping in Soybean I and II
13:10-13:20	<b>Dragan PEROVIĆ:</b> Towards Deciphering a Novel Barley Yellow Dwarf Virus (BYDV) Tolerance Introgressed from <i>Hordeum bulbosum</i> by the Use of Genomic Resources and Next-Generation-Sequencing (RNASeq and Exome Capture)
13:20-13:30	<b>Ivana IMEROVSKI:</b> Use of SSR Markers Closely Linked to Plarg Gene in Marker-Assisted Selection
<i>Lunch Break</i>	
15:00 -17:00	<b>POSTER SESSION 2</b> <b>(Sessions VII and VIII)</b>
20:00	<i>Gala Dinner</i>
<b>Wednesday, October 1</b>	
Kolarac Foundation	
<b>ORAL PRESENTATIONS</b> <b>SESSION V - Genetic Diversity, Phylogeny and Conservation</b> <b>Moderators: Zorana KURBALIJA NOVIČIĆ and Mihailo JELIĆ</b>	
09:00-09:10	<b>Mihajla ĐAN:</b> Demographic History of the Dinaric-Balkan Grey Wolves Revealed by mtDNA Control Region Sequences
09:10-09:20	<b>Uroš BUZUROVIĆ:</b> A Plastid-Based Phylogeographic Study of <i>Goniolimon tataricum</i> (Plumbaginaceae) from the Central Balkans

09:20-09:30	<b>Nikolett SZISZKOSZ:</b> Phylogenetic Analysis of <i>Equus caballus</i> Based on Two Mitochondrial Markers
09:30-09:40	<b>Tanja ADNAĐEVIĆ:</b> Modeling the Origin and Spread of the Yellow-Necked Mouse, <i>Apodemus flavicollis</i> (Rodentia, Muridae), in the Balkans
09:40-09:50	<b>Nemanja RAJČEVIĆ:</b> The Utility of the Non-Coding Chloroplast Sequences in Inferring Genetic Differentiation and Evolutionary Relations of <i>Juniperus oxycedrus</i> s.l. from the Balkans
09:50-10:00	<b>Vladimir JOVANOVIĆ:</b> Chromosomal, nDNA and mtDNA Genetic Variation In <i>Apodemus Sylvaticus</i> (Rodentia:Muridae)
10:00-10:10	<b>Ivana BJEDOV:</b> Genetic Diversity and Genetic Differentiation of Peripheral Populations of <i>Vaccinium</i> species in Central Balkans
10:10-10:20	<b>Marko ĐURAKIĆ:</b> Molecular Diversity of Hermann's Tortoise ( <i>Testudo Hermanni</i> Boettgeri Bour, 1987) in the Balkan Peninsula
10:20-10:30	<b>Nevena VELIČKOVIĆ:</b> Genetic Structure of Wild Boar Populations from the Northern Dinaric Balkans as Revealed by mtDNA Control Region Sequences
<i>Coffee Break</i>	
<b>PLENARY LECTURES</b> <b>Moderators: Dragana CVETKOVIĆ and Tanja ADNAĐEVIĆ</b>	
11:00-11:25	<b>Giuseppe DAMANTE:</b> Cell-Specificity of HuR-Bound mRNAs Profiles
11:25-11:50	<b>Milorad KOJIĆ:</b> BRCA2: An Almost Universal Regulator of Rad51 Recombinase
<b>ORAL PRESENTATIONS</b> <b>SESSION VI - Methodology in Genetic Research</b>	
11:50-12:00	<b>Predrag KALAJDŽIĆ:</b> CRISPR/Cas Based Reep6 Gene Open Reading Frames Editing In Mouse Cells
12:00-12:10	<b>Goran VUKOTIĆ:</b> Interaction of Proteinase PrtP and Bacteriocin LcnB in <i>Lactococcus lactis</i> BGMN1-501
12:10-12:20	<b>Nevena NAGL:</b> Use of CAPS Markers in Assessment of Sensitivity of <i>Cercospora beticola</i> Isolates to Carbendazim and Flutriafol
12:20-12:30	<b>Branislav KOVAČEVIĆ:</b> Alternative Standardization of Data by Standard Deviation Within Population – Example of <i>Populus nigra</i> in Danube Basin
12:30-12:40	<b>Sonja PAVLOVIĆ:</b> Next-Generation Sequencing Analysis of Hematological Malignancies: Serbian Experience
12:40-12:50	<b>Damjan KRSTAJIĆ:</b> Modern Genetics Requires Modern Statistics
12:50-13:40	<b>Serbian Genetic Society Meeting</b>
<i>Lunch Break</i>	
<b>PLENARY LECTURES</b> <b>Moderators: Olivera FRANCETIĆ and Dragana OBREHT</b>	
15:00-15:25	<b>Sergey ZOTCHEV:</b> Genome-Guided Bioprospecting and Synthetic Biology of Antibiotic-Producing Actinomycete
15:25-15:50	<b>Olivera FRANCETIĆ:</b> Structure Function Analysis of Type II Protein Secretion in Bacteria
15:50-16:25	<b>Vittorio VENTURI:</b> Rice Microbiome; Beneficial Aspects and Interkingdom Signaling
16:25-17:25	<b>POSTER SESSION 3</b> <b>(Sessions IV, V and VI)</b>

17:30-20:30	<i>Excursion Sightseeing tour</i>
<b>Thursday, October 2</b>	
Kolarac Foundation	
<b>ROUND TABLE - Novel Food</b> <i>Moderators: Jelena SAMARDŽIĆ and Natasa GOLIĆ</i>	
09:00-10:00	<b>INTRODUCTORY PRESENTATIONS</b> <b>Natasa GOLIĆ:</b> Molecular Mechanisms Involved in Health Promoting Potential of Lactic Acid Bacteria <b>Bojana BANOVIĆ:</b> Faba Bean, a Grain Crop Legume of the Future <b>Slađana ZILIĆ:</b> Bioactive Compounds in Cereals and Legumes: their Antioxidant Capacity and Health Benefits
10:00-11:00	<b>Five-minute poster presentations</b> <b>Slobodan DAVIDOVIĆ:</b> Phenolic Profile, Antimicrobial Activity and Antitumor Effect of <i>Meripilus giganteus</i> Karst. Methanolic Extract <b>Marijana JANKOVIĆ:</b> Wheat Gliadin Composition and its Relationship to Gluten Toxicity in Celiac Disease <b>Jovanka LUKIĆ:</b> Probiotic Potential of Lactobacilli of Different Origins <i>Discussion</i>
11:00-11:30	<b>BOOK PRESENTATION (in Serbian):</b> <i>Moderator: Zorana KURBALIJA NOVIČIĆ</i> <i>"Geni u populacijama", authors: M. Anđelkovic and M. Stamenkovic –Radak</i>
<b>CLOSING LECTURE</b> <i>Moderator: Branka VASILJEVIĆ</i>	
11:30-12:00	<b>Jelena ALEKSIĆ:</b> The Secrets of Serbian Spruce, the Most Intriguing Plant Species Discovered by a Serbian Botanist Josif Pančić: a Tribute to the Great Professor
12:00	<b>Closing ceremony</b>