



**GENOMICS OF RARE DISEASES SERBORDISINN
& GOLDEN HELIX SYMPOSIUM**

31. October – 1. November 2014.

CME: A-1-1990/14

Meeting venue: Hotel Tulip Inn Putnik, Belgrade, Serbia (www.tulipinnputnikbelgrade.com)

ORGANIZING COMMITTEE

1. **Sonja Pavlovic, PhD**, (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)
2. **Maja Stojiljkovic, PhD**, (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)
3. **Prof. George P. Patrinos, PhD**, (University of Patras, Patras, Greece)
4. **Radoje Drmanac, PhD**, (Complete Genomics, Mountain View, CA, USA), honorable member of the committee

Co-organizers:

- SERBORDISinn project (EU-FP7-REGPOT-316088), Institute of Molecular Genetics and Genetic Engineering, University of Belgrade
- The Golden Helix Foundation

Communication sponsors:

Public Health Genomics
Human Mutation
Human Genomics

Under the auspices of:

Ministry of Education,
Science and Technological
Development Republic of
Serbia
Genomic Medicine Alliance
RD-Connect



SCIENTIFIC COMMITTEE

1. **Radoje Drmanac, PhD**, (Complete Genomics, Mountain View, CA, USA), honorable member of the committee
1. **Sonja Pavlovic, PhD**, (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)
2. **Prof. George P. Patrinos, PhD**, (University of Patras, Patras, Greece)
3. **Prof. Angela Brand MD PhD MPH**, (Institute for Public Health Genomics, Maastricht University, Maastricht, The Netherlands)
4. **Prof. Belen Perez, PhD**, (Centro de Biología Molecular, UAM, Madrid, Spain)
5. **Maja Stojiljkovic, PhD**, (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)
6. **Jelena Begovic, PhD**, (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)
7. **Prof. Dragana Janic, MD PhD**, (University Children's Hospital, Belgrade, Serbia)
8. **Maja Djordjevic, MD PhD**, (Mother and Child Healthcare Institute "Dr Vukan Cupic", School of Medicine, University of Belgrade, Belgrade, Serbia)



Thursday, October 30th, 2014

20:00	WELCOME DINNER at the Tulip Inn Hotel
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Friday, October 31th, 2014

08:00 – 17:00	Registration for participants
08:30 – 09:00	Welcome Addresses
KEYNOTE LECTURES I	
Chair: Sonja Pavlovic (IMGGE, Belgrade, Serbia)	
09:00 – 09:30	Radoje Drmanac (Mountain View, CA, USA) <i>Whole genome sequencing for personal and population genomics</i>
09:30 – 10:00	Hanns Lochmuller (Institute of Genetic Medicine, Newcastle University, Newcastle upon Tyne, Great Britain) <i>RD-Connect and Neuromics in Rare Disease Research</i>
10:00 – 10:30	Belen Perez (Centro de Biología Molecular, UAM, Madrid, Spain) <i>Next generation sequencing applied to the diagnosis of inherited metabolic disorders</i>
10:30 – 11:00	COFFEE BREAK
SESSION I: PUBLIC HEALTH OF RARE DISEASES	
Chair: Dragica Radojkovic (IMGGE, Belgrade, Serbia)	
11:00 – 12:00	Angela Brand (Institute for Public Health Genomics, Maastricht University, Maastricht, The Netherlands) <i>Rare diseases – what’s in for Public Health Genomics</i>
	Pilar Nicolas Jimenez (Inter-University Chair in Law and Human Genome, University of Deusto, University of Basque Country, Bilbao, Spain) <i>Genomics of Rare Diseases within Europe. Legal issues.</i>
	Elisabeth Dequeker (Center for Human Genetics, Katholieke Universiteit



	<p>Leuven, Leuven, Belgium)</p> <p><i>External Quality Assessment of Genetic Testing: A necessity for quality of care</i></p>
	<p>Sonja Pavlovic (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)</p> <p><i>State of the Art of Rare Disease Activities in Serbia</i></p>
12:00 – 12:15	CORPORATE LECTURE – Illumina
<p>SESSION II: GENOMICS OF RARE DISEASES</p> <p>Chair: Milena Stevanovic (IMGGE, Belgrade, Serbia)</p>	
12:15 – 13:30	<p>Kostas Stamatopoulos (Institute of Applied Biosciences, CERTH, Thessaloniki, Greece)</p> <p><i>Immunogenetics in marginal-zone lymphomas</i></p>
	<p>Alessio Squassina (Department of Biomedical Sciences, Section of Neuroscience & Clinical Pharmacology, University of Cagliari, Monserrato, Cagliari, Italy)</p> <p><i>Cluster headache and bipolar disorder: is there a link?</i></p>
	<p>Beata Burzynska (Instytut Biochemii i Biofizyki Polskiej Akademii Nauk, Warsaw, Poland)</p> <p><i>Genomics and new perspectives for rare red blood cell disorders</i></p>
	<p>Istvan Baloch (Department of Laboratory Medicine, University of Debrecen, Debrecen, Hungary)</p> <p><i>Monogenic diabetes - lessons from a rare form of a common disease</i></p>
	<p>Nazli Basak (Dept. Molecular Biology and Genetics, Bogazici University, Istanbul, Turkey)</p> <p><i>The distinct genetics of ALS on Turkey</i></p>
13:30 – 14:00	LUNCH



KEYNOTE LECTURES II Chair: George Patrinos (University of Patras, Patras, Greece)	
14:00 – 14:30	Federico Innocenti (University of North Carolina, Eshelman School of Pharmacy, Division of Pharmacotherapy and Experimental Therapeutics, Center for Pharmacogenomics and Individualized Therapy Chapel Hill, NC, USA) <i>Exceptional responders in cancer therapy</i>
14:30 – 15:00	Michael Lee (Riken Center for Integrative Medical Sciences, Yokohama, Japan) <i>Pharmacogenetic study of drug induced severe cutaneous disorders</i>
SESSION III: PHARMACOGENOMICS AND INDIVIDUALIZED THERAPY Chair: George Patrinos (University of Patras, Patras, Greece)	
15:00 – 16:15	Milan Macek Jr (Department of Biology and Medical Genetics, Charles University Prague and University Hospital Motol, Praha, Czech Republic) <i>Pharmacogenomic studies in rare disease diagnostics and therapy: cystic fibrosis as a model</i>
	George P. Patrinos (Department of Pharmacy, University of Patras, Greece) <i>Next-generation pharmacogenomics</i>
	Maria Puiu (Genetica medicala, Universitatea de Medicina si Farmacie, Timisoara, Romania) <i>Pharmacogenetics - a promising perspective for tailoring the antipsychotic treatment</i>
	Lourdes Desviat (Centro de Biología Molecular, UAM, Madrid, Spain) <i>RNA-based therapies for rare diseases</i>
	Noora Ottman (Wageningen University, Laboratory of Microbiology, Wageningen, The Netherlands) <i>Microbiota functionality and therapeutic possibilities</i>
16:15 – 16:30	Best Abstract Award



16:30 – 17:00	COFFEE BREAK
	FREE AFTERNOON FOR PARTICIPANTS
17:00	Organized transport from Tulip Inn Hotel to the IMGGE
SERBORDISinn PROJECT – FUTURE PERSPECTIVES OF RESEARCH ON RARE DISEASES IN SERBIA	
Venue: IMGGE Institute, Vojvode Stepe 444a, Belgrade	
17:30 – 18:30	SERBORDISinn STEERING COMMITTEE MEETING (only for management team and members of SC)
18:30 – 19:30	SERBORDISinn PROJECT PARTNERS MEETING (open for all EU partners, Balkan partners and local partners)
19:30	Organized transport from IMGGE to Tulip Inn Hotel
21:00	CONFERENCE DINNER for speakers Organized transport from Tulip Inn Hotel to the restaurant

Saturday, November 1st, 2014

SESSION IV: RARE DISEASES IN BALKAN COUNTRIES (short presentations, discussions, initiatives) <i>Chair: Maja Stojiljkovic (IMGGE, Belgrade, Serbia)</i>	
10:00 – 11:30	Goran Brajuskovic (Faculty of Biology, University of Belgrade, Belgrade, Serbia)
	Danijela Drakulic (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)
	Aleksandra Divac Rankov (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)
	Maja Djordjevic (Mother and Child Healthcare Institute “Dr Vukan Cupic”, School of Medicine, University of Belgrade, Belgrade, Serbia)
	Vita Dolzan (Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia)
	Irena Drmic Hofman (University Hospital Center and University of Split, School of Medicine, Split, Croatia)
	Ksenija Fumic (Department of Laboratory Diagnostics, University Hospital Center, Zagreb, Croatia)
	Dragana Janic (University Children’s Hospital, Belgrade, Serbia)
	Jadranaka Jovanovic Privrodski (Institute for Children and Youth Health Care of Vojvodina Medical Faculty, University of Novi Sad, Serbia)



	<p>Lejla Kapur Pojskic (Institute of Genetic Engineering and Biotechnology, University of Sarajevo, Sarajevo, Bosnia and Herzegovina)</p> <p>Snezana Kojic (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)</p> <p>Ivana Novakovic (School of Medicine, University of Belgrade, Belgrade, Serbia)</p> <p>Sonja Pavlovic (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)</p> <p>Borut Peterlin (University Medical Center Ljubljana, Ljubljana, Slovenia)</p>
11:30 – 12:00	COFFEE BREAK
12:00 – 13:00	<p>Dijana Plaseska-Karanfilska (Macedonian Academy of Sciences and Arts, Research Centre for Genetic Engineering and Biotechnology “Georgi Efremov”, Skopje, Macedonia)</p> <p>Jelica Predojevic (Banja Luka, Bosnia and Herzegovina)</p> <p>Jelena Roganovic (Department of Pediatrics, Clinical Hospital Centre Rijeka, Rijeka, Croatia)</p> <p>Dusanka Savic – Pavicevic (Faculty of Biology, University of Belgrade, Belgrade, Serbia)</p> <p>Maja Stojiljkovic (Institute of Molecular Genetics and Genetic Engineering, University of Belgrade, Belgrade, Serbia)</p> <p>Zorica Sumarac (Centre for Medical Biochemistry, Clinical Centre of Serbia, Belgrade, Serbia)</p> <p>Albena Todorova (Genica, Sofia, Bulgaria)</p> <p>Marija Zaric (Banja Luka, Bosnia and Herzegovina)</p>
13:00 – 13:30	CLOSING REMARKS – FUTURE MEETINGS
13:30 – 14:30	LUNCH
15:00	OPTIONAL GUIDED CITY TOUR FOR SPEAKERS