



## GENOMICS OF RARE DISEASES

### SERBORDISINN & GOLDEN HELIX SYMPOSIUM

**30. October – 1. November 2014.**

**Meeting venue: Hotel Tulip Inn Putnik, Belgrade, Serbia**

**([www.tulipinnputnikbelgrade.com](http://www.tulipinnputnikbelgrade.com))**

#### ORGANIZING COMMITTEE

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

#### **Co-organizers:**

- SERBORDISinn project (EU-FP7-REGPOT), 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:**

Genomic Medicine Alliance  
RD-Connect



## SCIENTIFIC COMMITTEE

1. **Radoje Drmanac, PhD**, (Complete Genomics, Mountain View, CA, USA), honorable member of the committee
1. **Prof. 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. **Assoc. 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)



## TENTATIVE SCIENTIFIC PROGRAM - JULY 2014

### Thursday, October 30<sup>th</sup>, 2014

20:00	WELCOME DINNER at the Tulip Inn Hotel
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### Friday, October 31<sup>th</sup>, 2014

08:00 - 17:00	<b>Registration for participants</b>
08:30 - 09:00	Welcome Addresses
<b>KEYNOTE LECTURES I</b>	
09:00 – 09:30	<b>Radoje Drmanac</b> (Mountain View, CA, USA) <i>Whole genome sequencing for personal and population genomics</i>
09:30 – 10:00	<b>Hanns Lochmuller</b> (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	<b>Belen Perez</b> (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
<b>SESSION I: PUBLIC HEALTH OF RARE DISEASES</b>	
11:00 - 12:00	<b>Angela Brand</b> (Institute for Public Health Genomics, Maastricht University, Maastricht, The Netherlands) <i>Rare diseases – what’s in for Public Health Genomics</i>
	<b>Pilar Nicolas Jimenez</b> (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>

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

KEYNOTE LECTURES II	
14:00 – 14:30	<p><b>Federico Innocenti</b> (University of North Carolina, Eshelman School of Pharmacy, Division of Pharmacotherapy and Experimental Therapeutics, Center for Pharmacogenomics and Individualized Therapy Chapel Hill, NC, USA)</p> <p><i>Exceptional responders in cancer therapy</i></p>
14:30 – 15:00	<p><b>Michael Lee</b> (Riken Center for Integrative Medical Sciences, Yokohama, Japan)</p> <p><i>Pharmacogenetic study of drug induced severe cutaneous disorders</i></p>
SESSION III: PHARMA COGENOMICS AND INDIVIDUALIZED THERAPY	
15:00 – 16:15	<p><b>Milan Macek Jr</b> (Department of Biology and Medical Genetics, Charles University Prague and University Hospital Motol, Praha, Czech Republic)</p> <p><i>Pharmacogenomic studies in rare disease diagnostics and therapy: cystic fibrosis as a model</i></p>
	<p><b>George P. Patrinos</b> (Department of Pharmacy, University of Patras, Greece)</p> <p><i>Next-generation pharmacogenomics</i></p>
	<p><b>Maria Puiu</b> (Genetica medicala, Universitatea de Medicina si Farmacie, Timisoara, Romania)</p> <p><i>Pharmacogenetics - a promising perspective for tailoring the antipsychotic treatment</i></p>
	<p><b>Lourdes Desviat</b> (Centro de Biología Molecular, UAM, Madrid, Spain)</p> <p><i>RNA-based therapies for rare diseases</i></p>
	<p><b>Clara Belzer</b> (Wageningen University, Laboratory of Microbiology, Wageningen, The Netherlands)</p> <p><i>Microbiota functionality and therapeutic possibilities</i></p>
16:15 – 16:30	<b>Best Abstract Award</b>
16:30 – 17:00	COFFEE BREAK



	FREE AFTERNOON FOR PARTICIPANTS
17:00	<b>Organized transport from Tulip Inn Hotel to the IMGGE</b>
<b>SERBORDISinn PROJECT – FUTURE PERSPECTIVES OF RESEARCH ON RARE DISEASES IN SERBIA</b> 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	<b>Organized transport from IMGGI to Tulip Inn Hotel</b>
21:00	CONFERENCE DINNER for speakers <b>Organized transport from Tulip Inn Hotel to the restaurant</b>

### Saturday, November 1<sup>st</sup>, 2014

<b>SESSION IV: RARE DISEASES IN BALKAN COUNTRIES (short presentations, discussions, initiatives)</b>	
10:00 – 11:30	<b>Goran Brajuskovic</b> (Faculty of Biology, University of Belgrade, Belgrade, Serbia)
	<b>Maja Djordjevic</b> (Mother and Child Healthcare Institute “Dr Vukan Cupic”, School of Medicine, University of Belgrade, Belgrade, Serbia)
	<b>Vita Dolzan</b> (Faculty of Medicine, University of Ljubljana, Ljubljana, Slovenia)
	<b>Irena Drmic Hofman</b> (University Hospital Center and University of Split, School of Medicine, Split, Croatia)
	<b>Ksenija Fumic</b> (Department of Laboratory Diagnostics, University Hospital Center, Zagreb, Croatia)
	<b>Dragana Janic</b> (University Children’s Hospital, Belgrade, Serbia)

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