

**Serbian Society for
Mitochondrial and
Free Radical Physiology**

**Fourth
International
Congress**

september 28. – 30.2018.

**Venue
University of Belgrade
Rectorate Palace
Studentski trg 1**



CHALLENGES IN REDOX BIOLOGY

Further information:

sdmsrf@ibiss.bg.ac.rs

www.ssmfrp.edu.rs



Preliminary Scientific Programme

(the final Scientific Programme will be announced to September 12, 2018.)

Friday, September 28, 2018.

- 08:00 - Registration, Poster arrangements, Welcome cocktail
- 09:00-09:30 Opening ceremony and Welcome messages
- Session 1. Chairpersons: Barry Halliwell, Giovanni Mann, Ivana Stojanovic**
- 09:30-10:10 Salvador Moncada, UK: **Nitric Oxide, Historical Perspective and Future Directions**
- 10:10-10:40 Federico V Pallardo, Spain: **Role of Glutathione in Epigenetic Regulation**
- 10:40-11:10 Daniela Caporossi, Italy: **Health-Enhancing Exercise and Redox Homeostasis: Correlation with Genomic Modifications**
- 11:10-11:30 Coffee Break / POSTER SESSION
- Session 2. Chairpersons: Francesco Galli, Michail Rallis, Aleksandra Jankovic**
- 11:30-12:00 Andreas Daiber, Germany: **Environmental Noise is a Cardiovascular Risk Factor: Mechanistic Insights on Oxidative Stress and Inflammatory Pathways from Studies in Mice**
- 12:00-12:30 Joel Pincemail, Belgium: **Abdominal Aortic Aneurysm (AAA): Is There a Role for the Prevention and Therapy Using Antioxidants?**
- 12:30-12:50 Jelena Kotur Stevuljevic, Serbia: **Telomere Length, Telomerase Activity and Interaction with Redox System in Acute Myocardial Infarction and Lung Cancer**
- 12:50-13:30 Oral presentations from selected abstracts
- 13:30-15:00 Lunch / POSTER SESSION
- Session 3. Chairpersons: Giuseppe Poli, Joel Pincemail, Ivana Ivanovic Burmazovic**
- 15:00-15:30 Joao Laranjinha, Portugal: **Neurovascular Coupling Mediated by Neuronal Nitric Oxide in Hippocampus in Health and Disease**
- 15:30-16:00 Giuseppe Valacchi, Italy: **OxInflammation in Rett Syndrome**
- 16:00-16:20 Ana Popovic Bijelic, Serbia: **Mitochondrial Fe-S Clusters in Neurodegenerative Diseases**
- 16:20-16:40 Ivan Spasojevic, Serbia: **Three-Act Story of Labile Iron Pool: Adrenaline, Ascorbate, and Amino Acids**
- 16:40-17:00 Oral presentations from selected abstracts
- 17:00-17:30 Coffee Break / POSTER SESSION
- Session 4. Chairpersons: Federico V Pallardo, Daniela Caporossi, Aleksandra Korac**
- Dedicated to the academician Ivan Djaja - the founder of Belgrade School of Physiology, and academician Vojislav Petrovic – the initiator of free radical research in Serbia*
- 17:30-18:00 Kenneth Storey, Canada: **Extreme Mitochondria: Adaptations for Metabolic Arrest**
- 18:00-18:30 Tilman Grune, Germany: **Redox Regulation of Proteolysis in Metabolic Diseases**
- 18:30-19:00 Tomas Mracek, Czech Republic: **Role of Small Subunits in the Biogenesis of ATP Synthase**
- 19:00-19:20 Ana Stancic, Serbia: **Emerging Perspectives for Diabetes Treatments: Redox Modulators and Energy Metabolism**
- 19:20-19:30 Oral presentation from selected abstracts

Saturday, September 29, 2018.

- 08:00-09:15 Lecture for master, PhD and post-doc students. Chairpersons: Snezana Pajovic, Bato Korac
Tilman Grune, Germany: **Successful Publishing in Redox Biology Field: The Editors View**
- 09:15-09:30 Coffee Break / POSTER SESSION
- Session 5. Chairpersons: Salvador Moncada, Michael Davies, Tatjana Simic**
- 09:30-10:10 Barry Halliwell, Singapur: **Novel Adventures with an Old Antioxidant**
- 10:10-10:40 Fulvio Ursini, Italy: **Oxygen, Sulfur, Selenium and Lipid Rancidity: How GPx4 Controls Cell Life and Death**
- 10:40-11:10 Ivana Ivanovic Burmazovic, Germany: **Bioinorganic Redox Signaling and its Medical Application**
- 11:10-11:30 Coffee Break / POSTER SESSION
- Session 6. Chairpersons: Kenneth Storey, Joao Laranjinha, Juan Sastre**
- 11:30-12:00 Giuseppe Poli, Italy: **Cholesterol Oxidation Between Health and Disease**
- 12:00-12:30 Michael Davies, Denmark: **Identification and Quantification of Protein Modifications, and Their Biological Consequences**
- 12:30-12:50 Danijela Maksimovic Ivanic, Serbia: **Targeting Inflammation in Cancer Treatment**
- 12:50-13:00 Oral presentation from selected abstracts
- 13:00-14:30 Lunch / POSTER SESSION
- Session 7. Chairpersons: Ron Kohen, Tomas Mracek, Giuseppe Valacchi**
- 14:30-15:00 Juan Sastre, Spain: **Redox signaling and epigenetics in acute pancreatitis**
- 15:00-15:30 Michail Rallis, Greece: **Squamous Cell Carcinoma, Oxidative Stress and Diabetes**
- 15:30-15:50 Marija Pljesa Ercegovac, Serbia: **The Role of Impaired Redox Regulation in Renal Cell Carcinoma Development and Progression**
- 15:50-16:30 Oral presentations from selected abstracts
- 16:30-17:00 Coffee Break / POSTER SESSION
- Session 8. Chairpersons: Fulvio Ursini, Tilman Grune, Andreas Daiber**
- 17:00-17:30 Giovanni Mann, UK: **Nrf2-Regulated Redox Signaling in Vascular Cells: Implications for Clinical Translation**
- 17:30-18:00 Francesco Galli, Italy: **The Nrf2/GSTP Interactome and its Role in Stress-Mediated Regulation of Cellular Thiol Metabolism and Signaling**
- 18:00-18:30 Ron Kohen, Israel: **Modulation of the Protecting Nrf2-Keap1 Pathway in Skin by Unique Activators: Chemical, Biological and Environmental**
- 18:30-18:50 Vesna Otasevic, Serbia: **Modulation of Nrf2-Keap1 Signaling in Male Infertility**
- 18:50-19:10 CONCLUSIONS – AWARDS

Sunday, September 30, 2018.

- 09:00-18:00 Excursion / Lunch