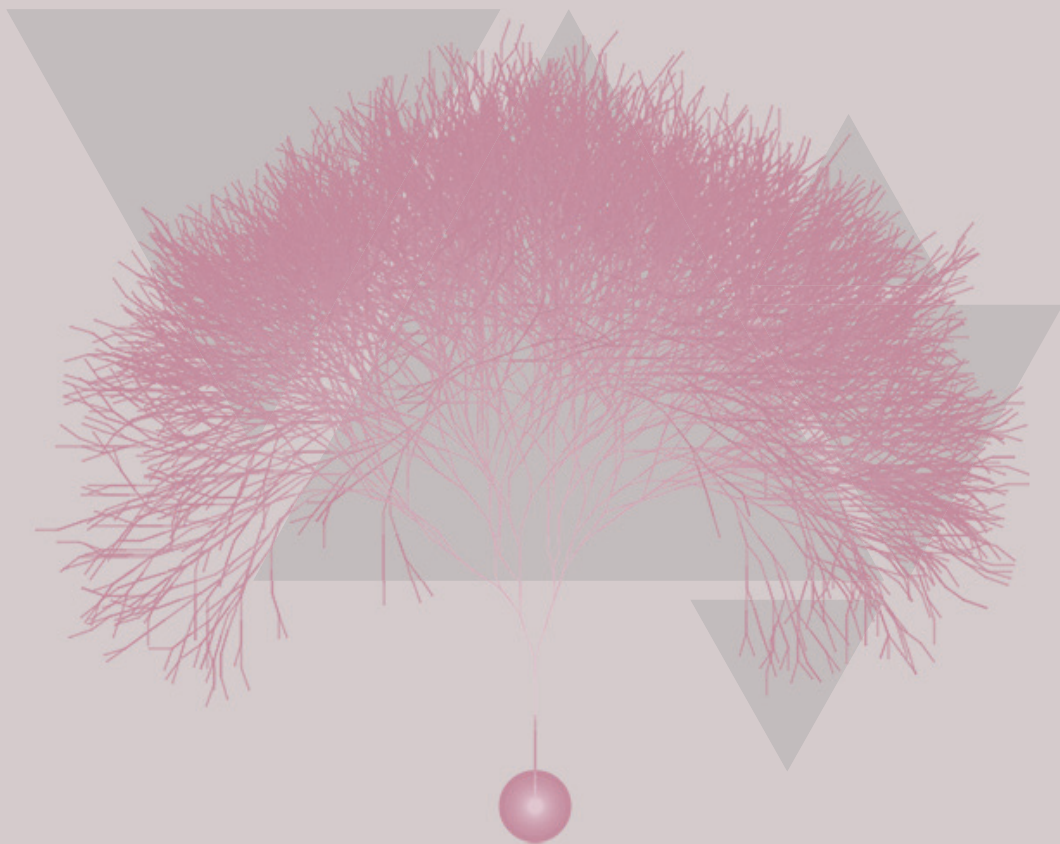


Serbian Society for Mitochondrial and Free Radical Physiology

3<sup>rd</sup> Congress

# REDOX MEDICINE

*REACTIVE SPECIES SIGNALING, ANALYTICAL METHODS, PHYTOPHARMACY, MOLECULAR MECHANISMS OF DISEASE*



**Programme**

Belgrade, September 25-26, 2015.

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

**Friday, September 25, 2015.**

- 16:00-17:30     **Registration, Welcome Cocktail**
- 17:30-18:00     **Opening Ceremony and Welcome Messages**  
*Chairpersons: Fulvio Ursini, Nada Kovacevic, Bato Korac*
- 18:00-19:00     OPENING CONGRESS LECTURE: Nitric oxide and oxygen: Actions and interactions in health and disease, Sir Salvador Moncada, Manchester, UK

**Saturday, September 26, 2015.**

- 08:30-09:30     **Registration, Poster arrangements**

**Session 1: LIFE IN REDOX CHEMISTRY**

*Chairpersons: Andreas Daiber, Jelena Kotur-Stevuljevic, Tomas Mracek*

- 09:30-10:10     LECTURE OF THE DAY: Unraveling the mechanism of selenium catalysis in GPx4: How redox chemistry impacts on life, from spermatogenesis to cell death, Fulvio Ursini, Padova, Italy
- 10:10-10:40     PLENARY LECTURE: Targeting mitochondria in male (in)fertility. A new therapeutic approach, Vesna Otasevic, Belgrade, Serbia
- 10:40-11:00     KEYNOTE TALK: Selenium-derived compounds as pharmacological tools to target the redox signaling and detoxification function of GSTP, Francesco Galli, Perugia, Italy
- 11:00-11:30     **Coffee Break / POSTER SESSION**

**Session 2: REACTIVE SPECIES SELF-CONTROL**

*Chairpersons: Tomas Jelenik, Biljana Buzadzic, Ana Stancic*

- 11:30-12:00     PLENARY LECTURE: ROS-induced ROS - implications for mitochondrial ROS on vascular function, Andreas Daiber, Mainz, Germany

- 12:00-12:20 KEYNOTE TALK: Glutathione transferase polymorphism in non-malignant and malignant kidney diseases, Tatjana Simic, Belgrade, Serbia
- 12:20-12:40 KEYNOTE TALK: Modulation of macrophage reactive oxygen and nitrogen species production by neuropeptide Y, Stanislava Stanojevic, Belgrade, Serbia
- 12:40-13:00 KEYNOTE TALK: *GSTP1* genetic polymorphism, RS1695, is associated with the chronic heart failure risk, Ana Savic-Radojevic, Belgrade, Serbia
- 13:00-13:15 SHORT PRESENTATION: Paraoxonase 1 status and redox disbalance in pregnancy, Aleksandra Stefanovic, Belgrade, Serbia
- 13:15-13:30 SHORT PRESENTATION: Mesoporous nanostructured material SBA-15 as a carrier for targeted drug delivery in the mouse model of melanoma *in vitro*, Mirna Bulatovic, Belgrade, Serbia
- 13:30-15:00 **Lunch / POSTER SESSION**

**Session 3: REACTIVE SPECIES AND METABOLISM: BETWEEN SIGNALING AND CELL DESTRUCTION**

*Chairpersons: Francesco Galli, Ivana Stojanovic, Ana Savic-Radojevic*

- 15:00-15:30 PLENARY LECTURE: ROS generation by flavin dehydrogenases of the mitochondrial respiratory chain, Tomas Mracek, Prague, Czech Republic
- 15:30-16:00 PLENARY LECTURE: Mitochondrial function and insulin sensitivity, Tomas Jelenik, Dusseldorf, Germany
- 16:00-16:20 KEYNOTE TALK: Targeting the nitric oxide/superoxide ratio in diabetic rat tissues, Aleksandra Jankovic, Belgrade, Serbia
- 16:20-16:40 KEYNOTE TALK: How to use aminoxyl radicals to examine BBB permeability in ALS rats. In vivo EPR study, Milos Mojovic, Belgrade, Serbia
- 16:40-17:00 **CONCLUSIONS - AWARDS**  
*Chairpersons: Sir Salvador Moncada, Fulvio Ursini, Bato Korac*
- 20:00 Congress Dinner

## ORGANISERS

**Serbian Society for Mitochondrial and Free-Radical Physiology**  
**Ministry of Education, Science and Technological Development**  
**Serbian Academy of Sciences and Arts**

**University of Belgrade:** Faculty of Biology, Faculty of Pharmacy, Institute for Biological Research "Sinisa Stankovic", Faculty of Medicine

**University of Nis:** Faculty of Medicine, Faculty of Science

**University of Novi Sad:** Faculty of Science, Faculty of Agriculture

**University of Kragujevac:** Faculty of Science, Faculty of Medicine

**University of Pristina (Kosovska Mitrovica):** Faculty of Science, Faculty of Medicine

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