



**ФАКУЛТЕТ МЕДИЦИНСКИХ НАУКА УНИВЕРЗИТЕТА У КРАГУЈЕВЦУ  
У САРАДЊИ СА ДРУШТВОМ ФИЗИОЛОГА СРБИЈЕ  
И ДРУШТВОМ ФИЗИОЛОГА СЛОВАЧКЕ**

**организује међународни конгрес**

**NEW FRONTIERS IN PHYSIOLOGICAL RESEARCH –  
FROM SCIENTIFIC TRUTH VIA FRIENDSHIP TO THE ART**

**Ковачица, АП Војводина, Република Србија  
20 - 22. Јун 2013. године**

**Комплетан програм налази се на сајту: <http://www.medf.kg.ac.rs>**

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# ПРИЈАВА ЗА УЧЕШЋЕ

Пријављујем се за:

НАЗИВ КОНГРЕСА: \_\_\_\_\_

ПРЕЗИМЕ: \_\_\_\_\_

ИМЕ: \_\_\_\_\_

ТИТУЛА: \_\_\_\_\_

УСТАНОВА: \_\_\_\_\_

АДРЕСА: \_\_\_\_\_

ПОШТАНСКИ БРОЈ: \_\_\_\_\_

ГРАД: \_\_\_\_\_

ТЕЛЕФОН: \_\_\_\_\_

ФАКС: \_\_\_\_\_

ЕМАИЛ: \_\_\_\_\_

ПОТПИС: \_\_\_\_\_

ДАТУМ: \_\_\_\_\_

БРОЈ ЛИЦЕНЦЕ: \_\_\_\_\_

JOINT MEETING OF NATIONAL PHYSIOLOGICAL SOCIETIES

**“NEW FRONTIERS IN PHYSIOLOGICAL RESEARCH –  
FROM SCIENTIFIC TRUTH VIA FRIENDSHIP TO THE ART”**

*Organized by*  
SLOVAK PHYSIOLOGICAL SOCIETY  
SERBIAN PHYSIOLOGICAL SOCIETY



*Accredited by the Health Council of Serbia (the evidence No. A-1-1348/13)*

(15 CME credits for lecturers, 13 CME credits for oral presentations, 11 CME credits for poster presentations, 9 CME credits for participants)

**FINAL PROGRAM**

JUNE 20-22, 2013, KOVACICA, VOJVODINA, SERBIA

<http://www.physiology.org.rs/eng/htm/konf2013/program.pdf>

## FOREWORD

Dear Colleagues,

We are very pleased to inform you that joint scientific meeting of national physiological societies, ie. from Slovakia and Serbia, will be organized in Kovacica. Our wish is having this meeting traditional, and to attract the physiologists from surrounding countries also. This time meeting is more directed to cardiovascular, neurophysiological and endocrinological research problems, however other biomedical topics will be also presented.

We are remembering that this close scientific cooperation started 10 years ago when Vladimir Strbak (president of *Slovak Physiological Society* at that time) during *FEPS Council* (held in 2003, Nice, France) supported the efforts of Dragan Djuric and Vladimir Jakovljevic (officials of *Serbian Physiological Society* at that time) for reintegration in the family of European physiological societies. In 2009 *Slovak Physiological Society* supported an idea to be published special issue of scientific journal *General Physiology and Biophysics*, dedicated to Professor Richard Burian (native Austrian born in Vienna however founder of medical physiology in Serbia). From that time we improved our friendship and scientific cooperation, developing bilateral research program and both participation in *EU COST BM 1005* as well as in global activities of the *International Academy of Cardiovascular Sciences*.

We really hope that this meeting is a unique opportunity for all participants to exchange their ideas and give their own contribution in this fruitful cooperation. Finally, Kovacica is not only the town where you will find typical Slovak spirit of life in a peaceful and tolerant atmosphere but also the place which is known for the worldwide recognized naïve art.

We appreciate your participation and wishing you warm welcome to Kovacica, Vojvodina and Serbia.

*On behalf of the Program/Organizing Committee*

Andrea Calkovska, Vladimir Strbak,  
Vladimir Jakovljevic and Dragan Djuric

## PROGRAM/ORGANIZING COMMITTEE

Calkovska A, Martin, *Organizing Committee Co-Chairman*  
Djuric D, Belgrade, *Program Committee Co-Chairman*  
Jakovljevic V, Kragujevac, *Organizing Committee Co-Chairman*  
Strbak V, Bratislava, *Program Committee Co-Chairman*

**Thursday, June 20th, 2013**

18.00-18.30

Opening Ceremony/Welcome Messages

*Chairpersons: Calkovska A, Djuric D, Jakovljevic V, Javorka K*

18.30-19.00

Plenary Lecture

**Strbak V**, Bacova Z

*Institute of Experimental Endocrinology, Slovak Academy of Sciences and Medical Faculty of the Slovak Medical University, Bratislava, Slovakia*

CELL SWELLING: NOVEL REGULATORY SIGNAL AFFECTING VARIOUS FUNCTIONS

19.00 Welcome Reception/Cocktail

**Friday, June 21st, 2013**

Session 1: CELL AND SMOOTH MUSCLE PHYSIOLOGY

*Chairpersons: Blagojevic D, Ondrias K*

9.00-9.15

**Brankovic S**, Gocmanac-Ignjatovic M, Radenkovic M, Kitic D, Nestic M, Ilic S, Veljkovic M

*Institute of Physiology, Faculty of Medicine, University of Nis, Nis, Serbia*

SPASMOLYTIC ACTIVITY OF ESSENTIAL OIL OF *FOENICULUM VULGARE* MILLER (APIACEAE) ON ISOLATED RAT ILEUM CONTRACTIONS

9.15-9.30

**Krstic D**, Colovic M, Avramovic N, Djuric D, Vasic V

*Institute of Medical Chemistry, School of Medicine, University of Belgrade, Belgrade, Serbia*

ATP-ASES INHIBITORS: TOXICOLOGY AND PHARMACOLOGY

9.30-9.45

**Misak A**

*Institute of Molecular Physiology and Genetics Slovak Academy of Sciences, Bratislava, Slovakia*

BIOPHYSICAL CHARACTERIZATION OF MITOCHONDRIAL CHLORIDE CHANNELS AND THEIR MODULATORY FACTORS

9.45-10.00

**Ondrias K**

*Institute of Molecular Physiology and Genetics, Slovak Academy of Sciences,  
Bratislava, Slovakia*

EFFECTS OF H<sub>2</sub>S-DONORS ON MEMBRANE CHANNELS

10.00-10.15

**Radenkovic M**, Brankovic S, Kitic D, Veljkovic M, Mrkaic A

*Institute of Physiology, Faculty of Medicine, University of Nis, Nis, Serbia*

THE RELAXANT EFFECT OF *ALLIUM SATIVUM* L. BULB EXTRACTS ON  
RAT ISOLATED TRACHEA

10.15-10.30

**Scepanovic L**, Stojanovic M, Bosnic O, Mitrovic D, Scepanovic V, Stojkovic M,  
Ilic S, Stojanovic T, Djuric D

*Institute of Medical Physiology "Richard Burian", School of Medicine, University of  
Belgrade, Belgrade, Serbia*

THE EFFECTS OF ACUTE ADMINISTRATION OF D, L-HOMOCYSTEINE  
AND D, L-HOMOCYSTEINE THIOLACTONE ON ANTIOXIDATIVE STATUS  
OF LIVER, INTESTINE AND COLON IN RATS

10.30-11.00 Pause

Session 2: NEUROPHYSIOLOGY AND NEUROENDOCRINOLOGY (part I)

*Chairpersons: Jagla F, Radenovic L*

11.00-11.15

**Hrcic D**, Rasic-Markovic A, Stojkovic T, Velimirovic M, Puskas N, Obrenovic R,  
Susic V, Jakovljevic V, Djuric D, Petronijevic N, Stanojlovic O

*Institute of Medical Physiology "Richard Burian", School of Medicine, University of  
Belgrade, Belgrade, Serbia*

EFFECTS OF METHIONINE - ENRICHED DIET ON THE  
ACETYLCHOLINESTERASE IN THE RAT BRAIN

11.15-11.30

**Jagla F**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences,  
Bratislava, Slovakia*

SENSORIMOTOR INTEGRATION IN HEALTH AND DISEASE

11.30-11.45

**Nesic M**, Radenkovic M, Brankovic S, Ciric M, Imeri S, Zivkovic I

*Institute of Physiology, Faculty of Medicine, University of Nis, Nis, Serbia*

ANTIDEPRESSANT EFFECT OF *HYPERICUM PERFORATUM* IN FORCED  
SWIMMING TEST AND TAIL SUSPENSION TEST IN MICE

11.45-12.00

**Radenovic L**

*Department of Physiology, Faculty of Biology, University of Belgrade, Belgrade, Serbia*

NEUROPROTECTION IN EXPERIMENTAL CEREBRAL ISCHEMIA –  
POTENTIAL GENE THERAPY?

12.00-12.15

**Vuckovic S**, Savic-Vujovic K, Srebro D, Medić B, Vujovic A, Prostran M  
*Institute of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade, Serbia*

EFFECTS OF MORPHINE AND FENTANYL DERIVATIVES ON BODY  
TEMPERATURE IN RATS

12.15-15.00 Pause

Session 2: NEUROPHYSIOLOGY AND NEUROENDOCRINOLOGY (part II)

*Chairpersons: Stanojlovic O, Strbak V*

15.00-15.15

**Bacova Z**, Lestanova Z, Strbak V, Bakos J

*Institute of Experimental Endocrinology, Slovak Academy of Sciences and Medical Faculty of the Slovak Medical University, Bratislava, Slovakia*

DEVELOPMENTAL EFFECTS OF OXYTOCIN ON GENE EXPRESSION OF  
CYTOSKELETAL PROTEINS AND GROWTH FACTORS IN THE RAT  
HIPPOCAMPUS

15.15-15.30

**Bakos J**, Lestanova Z, Strbak V, Bacova Z

*Institute of Experimental Endocrinology, Slovak Academy of Sciences and Medical Faculty of the Slovak Medical University, Bratislava, Slovakia*

OXYTOCIN RECEPTOR LIGANDS INDUCE CHANGES IN CYTOSKELETON  
IN NEUROBLASTOMA CELLS

15.30-15.45

**Parohova J**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovakia*

EFFECTS OF MELATONIN IN THE CEREBELLUM OF RATS WITH  
METABOLIC SYNDROME

15.45-16.00

**Petrovic S**, Milosevic M, Ristic-Medic D, Vucic V, Arsic A, Glibetic M, Horvat A  
*Department for Nutrition and Metabolism, Institute for Medical Research, University of Belgrade, Belgrade, Serbia*

THE INVOLVEMENT OF ESTRADIOL RECEPTORS IN ESTRADIOL-  
INDUCED MITOCHONDRIAL Ca<sup>2+</sup> FLUX MODULATION IN RAT CAUDATE  
NUCLEUS AND BRAIN STEM

16.00-16.15

**Trifunovic S**, Ajdzanovic A, Sosic-Jurjevic B, Manojlovic-Stojanoski M, Ristic N, Pantelic J, Milosevic V

*Institute for Biological Research "Siniša Stanković", University of Belgrade, Belgrade, Serbia*

SOY-DEPENDENT CHANGES IN THE MORPHO-FUNCTIONAL DATA OF THE PITUITARY ACTH CELLS IN ADULT RATS

16.15-16.30 Pause

Session 3: ENDOCRINOLOGY AND METABOLISM

*Chairpersons: Nestic M, Pechanova O*

16.30-16.45

**Ciric M**, Najman S, Bojanic V, Kalicanin B, Puskas N, Velimirovic D, Cekic S, Nestic M, Bojanic Z, Cvetkovic T

*Institute of Physiology, Faculty of Medicine, University of Nis, Nis, Serbia*

INFLUENCE OF SIMVASTATIN ON PLASMA LEVELS OF CALCIUM AND ALKALINE PHOSPHATASE ACTIVITY IN RATS NEONATALLY TREATED WITH MONOSODIUM GLUTAMATE

16.45-17.00

**Javorka M**, Tonhajzerova I, Czippelova B, Turianikova Z, Chladekova L, Javorka K  
*Department of Physiology, Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia*

OBESITY RELATED CHANGES IN BAROREFLEX SENSITIVITY: A CAUSAL APPROACH

17.00-17.15

**Matuskova Z**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovakia*

AGE-DEPENDENT CHANGES OF NITRIC OXIDE GENERATION IN EXPERIMENTAL METABOLIC SYNDROME

17.15-17.30

**Paulis L**

*Department of Pathological Physiology, Medical Faculty, Comenius University, Bratislava, Slovakia*

NOVEL THERAPEUTIC TARGETS IN THE RAAS

17.30-17.45

**Pechanova O**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovakia*

HYPERTENSION WITHIN THE CLUSTER OF METABOLIC SYNDROME: EXPERIMENTAL STUDY



17.45-18.00

**Sosic-Jurjevic B**, Filipovic B, Trifunovic S, Ajdzanovic V, Nestorovic N, Medigovic I, Milosevic V

*Institute for Biological Research “Siniša Stanković”, University of Belgrade, Belgrade, Serbia*

SOY EXTRACT AND SOY ISOFLAVONES DO NOT AFFECT SERUM CHOLESTEROL AND TRIGLYCERIDE LEVELS IN ORCHIDECTOMIZED YOUNG ADULT RATS

18.00-18.15 Pause

18.15-19.15

Poster Session (5 min poster presentation with discussion)

*Chairpersons: Rosic G, Javorcka K*

**Calkovska A**<sup>1</sup>, Linderholm B<sup>2</sup>, Haegerstrand-Bjorkman M<sup>2</sup>, Johansson J<sup>2</sup>, Curstedt T<sup>2</sup>

<sup>1</sup>*Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia,* <sup>2</sup>*Karolinska Institutet, Stockholm, Sweden*

LUNG FUNCTIONS OF PREMATURE NEWBORN RABBITS WITH RESPIRATORY DISTRESS SYNDROME DEPEND ON PHOSPHOLIPID COMPOSITION OF PULMONARY SURFACTANTS BASED ON SURFACTANT PROTEINS B AND C ANALOGUES

**Herichova I**, Ambrusova J, Vesela A, Zeman M

*Department of Animal Physiology and Ethology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovakia*

EFFECTS OF PHASE SHIFTS IN LIGHT REGIMENS MIMICKING SHIFT WORK ON CLOCK AND METABOLIC GENES AND SIGNAL PEPTIDES EXPRESSION IN THE RAT HEART

**Javorcka K**, Javorcka M, Lehotská Z, Uhríková Z, Kozár M, Zibolen M

*Department of Physiology and Neonatal Clinic, Jessenius Faculty of Medicine, Comenius University, Martin, Slovakia*

HEART RATE AND ITS VARIABILITY IN NEWBORNS

**Mlynarcikova A**, Havranek T, Fickova M

*Institute of Experimental Endocrinology, Slovak Academy of Sciences, Bratislava, Slovakia*

EFFECTS OF THE ENDOCRINE DISRUPTOR DI(2-ETHYLHEXYL) PHTHALATE IN A COMBINATION WITH 17 $\beta$ -ESTRADIOL ON EXPRESSION OF APOPTOSIS- AND CELL CYCLE PROGRESSION-RELATED GENES IN THE MCF-7 BREAST CANCER CELL LINE

**Rasic-Markovic A**, Hrcic D, Bjekic – Macut J, Susic V, Djuric D, Stanojlovic O

*Institute of Medical Physiology “Richard Burian”, School of Medicine, University of Belgrade, Belgrade, Serbia*

EFFECTS OF CO-ADMINISTRATION OF L-ARGININE AND FOLIC ACID ON HOMOCYSTEINE THIOLACTONE-INDUCED SEIZURES IN ADULT RATS

**Stojanovic M**, Scepanovic L, Mitrovic D, Scepanovic V, Stojković M, Ilic S, Stojanovic T, Djuric D  
*Institute of Medical Physiology "Richard Burian", School of Medicine, University of Belgrade, Belgrade, Serbia*

THE EFFECTS OF ACUTE ADMINISTRATION OF D, L-HOMOCYSTEINE AND D, L-HOMOCYSTEINE THIOLACTONE ON GASTROINTESTINAL TRACT MOTILITY IN RATS

**Svorc P**<sup>1,2</sup>, Marossy A<sup>1</sup>, Svorc P Jr.<sup>2</sup>, Buzga M<sup>2</sup>

<sup>1</sup>*Department of Physiology, Medical Faculty, Safarik University, Kosice, Slovakia*

<sup>2</sup>*Department of Physiology, Medical Faculty, Ostrava University, Ostrava, Czech Republic*

CHRONOBIOLOGY OF THE ELECTRICAL STABILITY OF THE HEART IN HYPOVENTILATION/REOXYGENATION RAT MODEL

**Tomasova L**

*Faculty of Pharmacy, Comenius University, Bratislava, Slovakia*

ON THE INTERACTION OF H<sub>2</sub>S AND NO-DONORS

**Zeman M**, Molcan L, Vesela A, Stebelova K, Okuliarova M, Herichova I

*Department of Animal Physiology and Ethology, Faculty of Natural Sciences, Comenius University, Bratislava, Slovakia*

NEGATIVE CONSEQUENCES OF DISTURBED RHYTHMIC ENVIRONMENTAL CONDITIONS ON CIRCADIAN RHYTHMS IN THE CARDIOVASCULAR SYSTEM

**Zemancikova A**, Torok J, Tabacekova

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovakia*

EFFECT OF LONG-TERM TREATMENT WITH QUERCETIN ON BLOOD PRESSURE AND ARTERIAL REACTIVITY IN L-NAME - INDUCED HYPERTENSION

<b>Saturday, June 22nd, 2013</b>
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Session 4: CARDIOVASCULAR PHYSIOLOGY (part I)

*Chairpersons: Jovovic D, Zeman M*

9.00-9.15

**Barta A**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovakia*

STRUCTURAL ALTERATIONS OF HEART AND AORTA IN RATS WITH METABOLIC SYNDROME

9.15-9.30

**Berenyiova A**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences,  
Bratislava, Slovakia*

DIFFERENT VASCULAR EFFECTS OF CHRONIC NON-SPECIFIC AND  
NEURONAL NO-SYNTASE INHIBITION IN YOUNG WISTAR RATS

9.30-9.45

**Bernatova I**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences,  
Bratislava, Slovakia*

EFFECT OF SOCIAL STRESS IN YOUNG RATS WITH PREDISPOSITION TO  
HIGH BLOOD PRESSURE

9.45-10.00

**Grman M**

*Institute of Molecular Physiology and Genetics Slovak Academy of Sciences,  
Bratislava, Slovakia*

MODULATION OF H<sub>2</sub>S INDUCED S-NITROSOGLUTATHIONE  
DECOMPOSITION BY pH AND LOW MOLECULAR THIOLS

10.00-10.15

**Kristek F**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences,  
Bratislava, Slovakia*

DIFFERENT EFFECT OF CHRONIC NEURONAL NO SYNTHASE INHIBITION  
ON CORONARY ARTERY OF WISTAR RATS AND SHR

10.15-10.30

**Malekova M**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences,  
Bratislava, Slovakia*

DIFFERENT EFFECT OF TWO TYPES OF NO SYNTHASE INHIBITORS ON  
CARDIOVASCULARS SYSTEM OF WISTAR RATS

10.30-11.00 Pause

Session 4: CARDIOVASCULAR PHYSIOLOGY (part II)

*Chairpersons: Bernatova I, Miloradovic Z*

11.00-11.15

**Mijuskovic A**, Nikolic-Kokic A, Slavic M, Orescanin-Dusic Z, Spasic M,  
Blagojevic D

*Institute for Biological Research "Siniša Stanković", University of Belgrade,  
Belgrade, Serbia*

SODIUM SULPHIDE PRECONDITIONING INCREASED ANTIOXIDANT  
CAPACITY IN THE RAT HEART: POSSIBLE BENEFITIAL EFFECTS

11.15-11.30

**Miloradovic Z**, Ivanov M, Mihailovic-Stanojevic N, Grujić-Milanović J, Jovovic D, Marković-Lipkovski J

*Department of Cardiovascular Physiology, Institute for Medical Research, University of Belgrade, Belgrade, Serbia*

SUPEROXYDE RADICAL SCAVENGING REDUCES BLOOD PRESSURE WITHOUT INFLUENCING KIDNEY FUNCTION IN HYPERTENSIVE RATS WITH ACUTE RENAL FAILURE

11.30-11.45

**Novokmet S**, Mistic M, Stojic I, Zivkovic V, Bugarcic Z, Jakovljevic V

*Department of Physiology, Faculty of Medical Sciences, University of Kragujevac, Kragujevac, Serbia*

PLATINUM-INDUCED CARDIOTOXICITY AND OXIDATIVE STRESS IN ISOLATED RAT HEART

11.45-12.00

**Torok J**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovakia*

CARDIOVASCULAR EFFECTS OF ALISKIREN IN RATS WITH EXPERIMENTAL HYPERTENSION

12.00-12.15

**Cebova M**

*Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovakia*

EFFECTS OF RENIN INHIBITOR-ALISKIREN IN SPONTANEOUSLY HYPERTENSIVE RATS

12.15-12.30

**Zivkovic V**, Vuletic M, Djordjevic D, Barudzic N, Djuric D, Jakovljevic V

*Department of Physiology, Faculty of Medical Sciences, University of Kragujevac, Kragujevac, Serbia*

EFFECTS OF HOMOCYSTEINE AND HOMOCYSTEINE RELATED COMPOUNDS ON ISOLATED RAT HEART: FOCUS ON OXIDATIVE STRESS

12.30-15.00 Pause

Session 5: NUTRITION, EXERCISE, HYPERBARIC AND CLINICAL PHYSIOLOGY

*Chairpersons: Mitrovic D, Svorc P*

15.00-15.15

**Cubrilo D**, Macura M, Zivkovic V, Vuletic M, Barudzic N, Jakovljevic V

*Department of Physiology, US Medical School, European University, Belgrade, Serbia*

SILENT INFLAMMATION AND REDOX STATUS IN YOUNG SOCCER PLAYERS: FOCUS ON SUPPLEMENTATION

15.15-15.30

**Radovanovic D**

*Department of Physiology, Faculty of Physical Education, University of Nis, Nis, Serbia*

INFLUENCE OF SEASONAL VARIATIONS IN TRAINING LOADS ON SELECTED CARDIOVASCULAR AND RESPIRATORY PARAMETERS IN COMPETITIVE JUDO ATHLETES

15.30-15.45

**Ristic-Medic D**, Vucic V, Arsic A, Petrovic S, Glibetic M

*Department for Nutrition and Metabolism, Institute for Medical Research, University of Belgrade, Belgrade, Serbia*

EFFICACY OF A THERAPEUTIC CHANGE IN DIETARY HABITS ON OMEGA-3 INDEX AND KEY FATTY ACID RATIOS IN SERUM AND ERYTHROCYTE PHOSPHOLIPIDS IN PATIENTS WITH CARDIOMETABOLIC RISK

15.45-16.00

**Veselinovic M**, Djuric D, Zivkovic V, Vuletic M, Barudzic N, Tasic N, Tasic D, Jakovljevic V

*Department of Rheumatology, Faculty of Medical Sciences, University of Kragujevac, Kragujevac, Serbia*

OXIDATIVE STRESS IN RHEUMATOID ARTHRITIS: RESULTS OF THE CLINICAL STUDY

16.00-16.15

**Vuletic M**, Stojimirovic B, Pesic S, Milankovic M, Barudzic N, Tasic D, Tasic N, Jakovljevic V

*Department of Physiology, Faculty of Medical Sciences, University of Kragujevac, Kragujevac, Serbia*

OXIDATIVE STRESS IN RENAL FAILURE: RESULTS OF THE CLINICAL STUDY

16.15-16.30

**Zivkovic M**, Baskot B

*HBO Medical Center, Belgrade, Serbia*

COMBINED THERAPEUTIC APPLICATION OF ERYTHROPOIETIN AND HYPERBARIC OXYGENATION IN ISCHEMIC AND NON-ISCHEMIC CARDIOMYOPATHY

16.30-17.00 Pause

17.00-18.00

**ROUND TABLE: “3R<sub>s</sub> - FROM ETHICS TO SCIENTIFIC EVIDENCE”**

organized by *National Animal Welfare Council of Serbia* and *Bioethics Society of Serbia*

*Chairpersons: Djurasevic S, Vucinic M, Todorovic Z*

**Djurasevic S**

*Faculty of Biology, University of Belgrade, Belgrade, Serbia*

RE-USING EXPERIMENTAL ANIMALS

**Vucinic M**

*Faculty of Veterinary Medicine, University of Belgrade, Belgrade, Serbia*

ENVIRONMENTAL ENRICHMENT FOR LABORATORY ANIMALS

**Savic M**

*Faculty of Pharmacy, University of Belgrade, Belgrade, Serbia*

ANIMAL BEHAVIOUR EXPERIMENTS AND 3Rs

**Todorovic Z**

*Faculty of Medicine, University of Belgrade, Belgrade, Serbia*

EXTRAPOLATION OF EXPERIMENTAL DATA FROM ANIMALS TO MAN:

DOES IT COUNT?

**Trbovic A**

*Faculty of Medicine, University of Belgrade, Belgrade, Serbia*

TRANSGENIC ANIMALS AND 3Rs

18.00-18.15 Pause

18.15-19.15 Serbian Physiological Society (reserved time)

20.00 Gala Dinner

*\*\* Surnames are given following alphabetical order.*

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## **REGISTRATION**

Registration is following invitation only and includes admission to all sessions, opening ceremony, welcome reception, and receiving meeting materials.

## **OFFICIAL LANGUAGE**

Official language will be English. No simultaneous translation will be provided. All materials will be published in English.

## **SOCIAL PROGRAM**

The social program will include convivial (welcome reception/cocktail) and cultural (visit to worldwide recognized naïve art gallery, town tour etc.) events. Exciting social event will be offered (gala dinner with multinational music etc.).

## **CANCELLATION**

Notification of cancellation should be sent in writing to Program/Organizing Committee not later than June 1<sup>st</sup> 2013.

## **AUDIOVISUAL FACILITIES**

For the oral presentations, video beam projection will be available in a conference room. Presentations should be prepared in „Power Point“(\*.ppt file). For special audiovisual facilities, please send in advance a special request to the [drvladakgbg@yahoo.com](mailto:drvladakgbg@yahoo.com)

## **POSTER INSTRUCTIONS**

Poster size should be 120 (height) cm x 80 (width) cm. Poster figures should be designed to be viewed from a distance and the authors should use clear, visible graphics and large text fonts. Material for mounting posters will be provided in the poster area. Authors are requested to be present by their posters during the poster session for which their poster has been scheduled.

## **ACCOMMODATION**

Hotel accommodation and arrival/departure service will be organized in different price categories and at special rates.

In order to receive an e-mail invitation and/or confirmation, please indicate your e-mail address.

## **IMPORTANT INFORMATION**

Symposium date: June 20-22, 2013

Conference Venue: Hotel Relax, Kovacica, Vojvodina, Serbia

### **FOR OTHER INQUIRES PLEASE CONTACT:**

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### **THE MEETING HAS BEEN SUPPORTED BY:**

**FACULTY OF MEDICAL SCIENCES UNIVERSITY OF KRAGUJEVAC**

**MINISTRY OF EDUCATION, SCIENCE AND TECHNOLOGICAL  
DEVELOPMENT OF REPUBLIC OF SERBIA**

**MINISTRY OF HEALTH OF REPUBLIC OF SERBIA**

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