

# THE SERBIAN PHYSIOLOGICAL SOCIETY

IS PLEASED TO ANNOUNCE

## 4<sup>th</sup> CONGRESS OF PHYSIOLOGICAL SCIENCES OF SERBIA WITH INTERNATIONAL PARTICIPATION

ENTITLED

**“CURRENT TRENDS IN PHYSIOLOGICAL SCIENCES:  
FROM CELL SIGNALS TO THE BIOLOGY OF AGING“**

*CME in progress to be accredited by the Health Council of Serbia*

Under the auspices of

*Federation of European Physiological Societies (FEPS)  
International Union of Physiological Sciences (IUPS)  
International Society for Pathophysiology (ISP)  
International Academy of Cardiovascular Sciences (IACS)*



## SECOND ANNOUNCEMENT

SEPTEMBER 19-23, 2018  
FACULTY OF MEDICINE, UNIVERSITY OF NIŠ,  
NIŠ, REPUBLIC OF SERBIA

## FOREWORD

Dear Colleagues,

We are very pleased to inform you that the 4th *Congress of Physiological Sciences of Serbia with International Participation* will be held during September 19-23, 2018 at the Faculty of Medicine University of Niš. For the last 16 years, the Serbian Physiological Society has developed a series of national and internationally recognized congresses and meetings: the conferences of physiological sciences with international participation on environmental risk factors, oxidative biology and human health (Zlatibor 2001; Belgrade/Zrenjanin, 2003; Kragujevac 2004), the first congress of physiological sciences with international participation (Belgrade, 2005), the satellite symposium of the XIV International Symposium on Atherosclerosis (Belgrade, 2006), the scientific conference with international participation on nutrition, treatment and cardiovascular risk management (Novi Sad, 2007), the scientific conference with international participation devoted to our famous physiologist Richard A. Burian (Belgrade, 2008), second congress of physiological sciences with international participation (Kragujevac, 2009), the scientific conference with international participation on preclinical testing of active substances and cancer research with international symposium on anti-cancer agents, cardiotoxicity and neurotoxicity (Kragujevac, 2011) and under the auspice of EU 7th framework program, the joint scientific meeting of the national physiological societies organized by the Slovak Physiological Society and Serbian Physiological Society (Kovačica 2013), third congress of physiological sciences with international participation (Belgrade, 2014), second European meeting of the International Academy of Cardiovascular Sciences (Belgrade, 2015), second joint scientific meeting of the national physiological societies organized by the Slovak Physiological Society and Serbian Physiological Society (Smolenice 2016, Slovakia), the joint scientific meeting of the national physiological societies organized by the Hungarian Physiological Society and Serbian Physiological Society (Subotica 2017), and a few CME meetings in the field of atherosclerosis, vascular biology, risk factors and health. These meetings were recognized internationally, attracted a worldwide scientific audience, and had been supported by the Federation of European Physiological Societies (FEPS), the International Union of Physiological Sciences (IUPS), the International Society for Pathophysiology (ISP), the International Academy of Cardiovascular Sciences (IACS), and the International Atherosclerosis Society (IAS). Such success in former years directed us to plan and organize the fourth national congress of physiological sciences in order to improve research background, and make easier approach to the global research cooperation. Our wish is having this congress traditional and progressive, and to attract the physiologists from abroad and especially surrounding countries. This time congress is more directed to molecular and cellular physiology, genetics, translational and applied aspects in physiological research like nutrition, extreme physiological conditions and balneology, however other biomedical topics will be also presented. The scientific program will include a broad mix of topics from molecular, cellular and integrative aspects of physiological sciences going ahead to the scientific problems covered by the international scientific community.

We really hope that this congress is a unique opportunity for all participants to exchange their ideas and give their own contribution in this fruitful cooperation. Finally, city of Niš, located in south part of Serbia is not only the place where you will find typical Serbian spirit of life, but also the place which is known for the worldwide recognized sacral and historical objects and monuments, museums, galleries etc.

We appreciate your participation and wishing you warm welcome to Niš and south part of Serbia.

*On behalf of the Program/Organizing Committee*  
Dragan M. Djurić and Vladimir Jakovljević

## CONGRESS COMMITTEES CHAIRMEN

Djurić DM, Belgrade, *Program Committee Chairman*  
Jakovljević V, Kragujevac, *Organizing Committee Chairman*

## LOCAL ORGANIZING COMMITTEE

Stojiljković N, Niš, *Local Committee Chairman*

## CONFIRMED INTERNATIONAL PROGRAM MEMBERS

Abramochkin D (Moscow, Russian Federation)  
Agrawal D (Omaha, USA)  
Baczko I (Szeged, Hungary)  
Boros M (Szeged, Hungary)  
Chaldakov G (Varna, Bulgaria)  
Dhalla N (Winnipeg, Canada)  
Jagla F (Bratislava, Slovak Republic)  
Kinscherf R (Marburg, Germany)  
Kolar F (Prague, Czech Republic)  
Kukreja R (Richmond, USA)  
Kuzmin V (Moscow, Russian Federation)  
Lazou A (Thessaloniki, Greece)  
Muntean D (Timisoara, Romania)  
Ostadal B (Prague, Czech Republic)  
Pechanova O (Bratislava, Slovak Republic)  
Pierce G (Winnipeg, Canada)  
Ravingerova T (Bratislava, Slovak Republic)  
Slezak J (Bratislava, Slovak Republic)  
Strbak V (Bratislava, Slovak Republic)  
Tappia P (Winnipeg, Canada)  
Tyagi S (Louisville, USA)  
Varro A (Szeged, Hungary)  
Weber G (Louisville, USA)

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## PROGRAM COMMITTEE MEMBERS

Alavantić D (Vinča)  
Andjus P (Belgrade)  
Andrić S (Novi Sad)  
Arsenijević A (Kragujevac)  
Arsenijević V (Kragujevac)  
Arsić A (Belgrade)  
Barak O (Novi Sad)  
Blagojević D (Belgrade)  
Bojanić V (Niš)  
Bojanić Z (Niš)  
Branković S (Niš)  
Brkić P (Belgrade)  
Čirić M (Niš)  
Čolović M (Vinča)  
De Luka S (Belgrade)  
Djerić M (Novi Sad)  
Djindjić B (Niš)  
Djukić T (Belgrade)  
Djurić T (Vinča)  
Drapšin M (Novi Sad)  
Gopčević K (Belgrade)  
Hrnčić D (Belgrade)  
Ilić TV (MMA)  
Janković A (Belgrade)  
Jeremić N (Kragujevac)  
Jovanović Z (Kragujevac)  
Jovović D (Belgrade)  
Jurišić V (Kragujevac)  
Krstić D (Belgrade)  
Kojić Z (Belgrade)  
Kostić T (Novi Sad)  
Leposavić G, Belgrade  
Labudović Borović M (Belgrade)  
Lukač D (Novi Sad)  
Lukić M (Kragujevac)  
Magić Z (MMA)  
Matić M (Belgrade)  
Medić B (Belgrade)  
Mícov A (Belgrade)  
Mihailović Stanojević N (Belgrade)  
Milanović Z (Kosovska Mitrovica)  
Miloradović Z (Belgrade)  
Milošević V (Belgrade)  
Milovanović B (Belgrade)  
Milovanović D (Kragujevac)  
Mirić D (Kosovska Mitrovica)  
Mirić M (Kosovska Mitrovica)  
Mladenović D (Belgrade)  
Naumović N (Novi Sad)  
Nešić M (Niš)  
Nešović Ostojić J (Belgrade)  
Nestorović V (Kosovska Mitrovica)  
Novokmet S (Kragujevac)  
Obradović D (Belgrade)  
Ognjanovic B (Kragujevac)  
Otašević V (Belgrade)  
Pajović S (Vinča)  
Pantić I (Belgrade)  
Pantović S (Kragujevac)  
Pekmezović T (Belgrade)  
Peković S (Belgrade)  
Petronijević N (Belgrade)  
Plješa Ercegovac M (Belgrade)  
Ponorac N (Banja Luka)  
Popadić Gaćeša J (Novi Sad)  
Popović T (Belgrade)  
Pravica V (Belgrade)  
Puškaš N (Belgrade)  
Radenković M (Belgrade)  
Radenković M (Niš)  
Radojević Savić A (Belgrade)  
Radosavljević T (Belgrade)  
Radovanović D (Niš)  
Randjelović P (Niš)  
Rašić Marković A (Belgrade)  
Ristić Medić D (Belgrade)  
Rosić G (Kragujevac)  
Rosić M (Kragujevac)  
Saičić Z (Belgrade)  
Savić Vujović K (Belgrade)  
Simić T (Belgrade)  
Smiljić S (Kosovska Mitrovica)  
Spasić M (Belgrade)  
Srejević I (Kragujevac)  
Stanić M (Belgrade)  
Stanković A (Vinča)  
Stefanović A (Belgrade)  
Stojiljković M (Belgrade)  
Stojiljković N (Niš)  
Stošić Z (Novi Sad)  
Šaponjić J (Belgrade)  
Šćepanović L (Belgrade)  
Tanić N (Belgrade)  
Todorović Z (Belgrade)  
Trbović A (Belgrade)  
Vasić V (Vinča)  
Volarević V (Kragujevac)  
Vučević D (Belgrade)  
Vučić V (Belgrade)  
Vučković S (Belgrade)  
Živančević Simonović J (Kragujevac)  
Žigon Japundžić N (Belgrade)  
Živković V (Kragujevac)

## CME COORDINATOR

Djurić DS (Kragujevac)

## CONFIRMED LECTURES & ORAL PRESENTATIONS & SESSIONS

Naranjan Dhalla: **Search for new targets for the treatment of hypertension**

Institute of Cardiovascular Sciences, St. Boniface Hospital Albrechtsen Research Centre, Winnipeg, Canada

Grant Pierce: **The problem and a potential solution to the threat of multi-drug resistance to antibiotics**

Institute of Cardiovascular Sciences, St. Boniface Hospital Albrechtsen Research Centre, Winnipeg, Canada

Pram Tappia: **Prevention of myocardial abnormalities in diabetes by sulphur-containing amino acids**

Institute of Cardiovascular Sciences, St. Boniface Hospital Albrechtsen Research Centre, Winnipeg, Canada

Rakesh Kukreja: **Protein kinase G signaling in cardioprotection**

Department of Internal Medicine, Division of Cardiology, VCU Pauley Heart Center Virginia Commonwealth University, Richmond, USA

Devendra Agrawal: **Gene therapy to control intimal hyperplasia and restenosis following coronary intervention**

Department of Clinical & Translational Science, Creighton University School of Medicine, Omaha, USA

Suresh Tyagi: **Mechanisms of cardiovascular remodeling**

Department of Physiology, University of Louisville, Kentucky, USA

Gregory Weber: **Exercise and diallyl trisulfide intervention alters the gut microbiome to improve kidney function in type-I diabetes**

Department of Physiology, University of Louisville, Kentucky, USA

Denis Abramochkin: **Diadenosine polyphosphates and NAD<sup>+</sup> as novel regulators of cardiac electrical activity**

Department of Human and Animal Physiology, Biological Faculty, Lomonosov Moscow State University, Moscow, Russia

Vladislav Kuzmin: **Electrical activity in the myocardium of thoracic veins and extra-nodal proarrhythmic automaticity during the development of mammalian heart**

Biological Department, Lomonosov Moscow State University, Moscow, Russia

Jan Slezak: **The influence of molecular hydrogen on cardiac mitochondria**  
Institute for Heart Research, Slovak Academy of Sciences, Bratislava, Slovak Republic

Vladimir Strbak: **Conventional and regulatory secretory pathway of insulin, possible role in diabetes mellitus**

Biomedical Research Center, Institute of Experimental Endocrinology, Slovak Academy of Sciences and Institute of Normal and Pathological Physiology, Medical Faculty of the Slovak Medical University, Bratislava, Slovak Republic

Tanya Ravingerova: **Intrinsic cardioprotection can be evoked by “conditioning“ stimuli but attenuated by the presence of comorbidities/confounders**

Institute for Heart Research, Slovak Academy of Sciences, Bratislava, Slovak Republic

Olga Pechanova: **Nitric oxide-dependent signaling pathways in experimental metabolic syndrome**

Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovak Republic

Fedor Jagla: **Electrophysiological correlates (EOG, EEG, EMG) of human executive functioning**

Institute of Normal and Pathological Physiology, Slovak Academy of Sciences, Bratislava, Slovak Republic

Bohuslav Ostadal: **Regional heterogeneity of the ventricular myocardium**

Institute of Physiology, Czech Academy of Sciences, Prague, Czech Republic

Frantisek Kolar: **Cardioprotection induced by chronic continuous or intermittent hypoxia**

Department of Developmental Cardiology, Institute of Physiology, Czech Academy of Sciences, Prague, Czech Republic

Andras Varro: **To be determined later**

Mihaly Boros: **Bioactive role for methane in eukaryotic biological systems**

Institute of Surgical Research, Faculty of Medicine, University of Szeged, Szeged, Hungary

Istvan Backo: **Establishment and characterization of a LQT2-5 double transgenic rabbit model**

Department of Pharmacology and Pharmacotherapy, Faculty of Medicine, University of Szeged, Szeged, Hungary

Ralph Kinscherf: **The role of the neuropeptide PACAP during atherosclerosis development/progression**

Department of Medical Cell Biology, Institute for Anatomy and Cell Biology, Philipps University Marburg, Marburg, Germany

Antigone Lazou: **Cardiac metabolic control and autophagy**  
Institute of Physiology, School of Biology, Aristotle University of Thessaloniki, Thessaloniki, Greece

Danina Muntean: **Vitamin D: Novel D-fence against oxidative stress in vascular and adipose tissues**

Department of Pathophysiology - Functional Sciences, Center for Translational Research and Systems Medicine, "Victor Babeş" University of Medicine and Pharmacy, Timișoara, Romania

George Chaldakov: **Human body as multicrine system, with special reference to cell protein secretion: from vascular smooth muscle cells to adipose tissue**

Department of Anatomy and Cell Biology, Medical University, Varna, Bulgaria

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Tihomir Ilić: **Presumed mechanisms underlying the therapeutic effects of non-invasive brain stimulation in humans**

Department of Neurophysiology, Clinic for Neurology, Military Medical Academy, University of Defense, Belgrade, Serbia

Silvana Andrić: **Mitochondrial biogenesis as adaptive mechanism to maintain disturbed homeostasis of reproductive axis**

Department of Animal Physiology, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia

Tatjana Kostić: **Chronobiological aspects of male reproduction**

Department of Animal Physiology, Faculty of Sciences, University of Novi Sad, Novi Sad, Serbia

Mihajlo Spasić: **Ferroptosis: new targets for modulation of cell fate**

Department of Physiology, Institute of Biological Research "Siniša Stankovic", University of Belgrade, Belgrade, Serbia

Duško Blagojević: **Redox homeostasis and cellular receptors: regulation of smooth muscle contractility**

Department of Physiology, Institute of Biological Research "Siniša Stankovic", University of Belgrade, Belgrade, Serbia

Zoran Miloradović: **Differences between angiotensin 2 type 1 receptor antagonism and type 2 receptor stimulation in model of spontaneously hypertensive rats with induced acute kidney injury**

Laboratory for Experimental Cardiovascular Physiology, Institute for Medical Research, University of Belgrade, Belgrade, Serbia

Vesna Vučić: **Nutrition, inflammation and disease**

Centre of Research Excellence in Nutrition and Metabolism, Institute for Medical Research, University of Belgrade, Belgrade, Serbia

Danijela Ristić-Medić: **Nutrition in chronic kidney disease**

Centre of Research Excellence in Nutrition and Metabolism, Institute for Medical Research, University of Belgrade, Belgrade, Serbia

Dragan Djurić: **The impact of homocysteine and other cardiovascular biomarkers in different models of cardiovascular diseases in rats**

Institute of Physiology “Richard Burian”, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

Zvezdana Kojić: **Safety assessment of micro- and nano-structured hydroxyapatite particles using in vitro and in vivo models**

Institute of Physiology “Richard Burian”, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

Predrag Brkić: **The effect of hyperbaric oxygenation on neurogenesis after the experimental brain injury**

Institute of Physiology “Richard Burian”, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

Igor Pantić: **Changes in chromatin textural entropy in physiological conditions**

Institute of Physiology “Richard Burian”, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

Vladimir Jakovljević: **The influence of different type exercise on arterial hypertension: evidence from recent experimental data**

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

Gvozden Rosić: **The overview of behavioral manifestations that correlate to alterations in hippocampal MC4 receptor content**

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

Vladimir Živković: **RAAS in streptozotocin-induced diabetic rat heart: role of oxidative stress**

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

Ivan Srejić: **The role of NMDA receptors in heart physiology**

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



Nevena Jeremić: **Potential cardioprotective effects of chronic DATS administration on ischemic reperfusion injury of healthy and type 2 diabetic rats**

Department of Pharmaceutical Chemistry, Faculty of Medical Sciences, University of Kragujevac, Kragujevac, Serbia

Nenad Stojiljković: **Oxidative stress in different animal models of acute kidney injury**

Department of Physiology, Faculty of Medicine, University of Niš, Niš, Serbia

Nenad Ponorac: **The usefulness of bone metabolic markers in exercise physiology**

Department of Physiology, Faculty of Medicine, University of Banja Luka, Banja Luka, Republic of Serbska, Bosnia and Herzegovina

**Session: Redox regulation between health and disease**

*Chairpersons: Tatjana Simić, Jelena Kotur Stevuljević, Bato Korać*

Marija Matić: **Association of glutathione s-transferase polymorphisms with Balkan endemic nephropathy and BEN related urinary bladder carcinoma**

Institute of Biochemistry, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

Tatjana Djukić: **S-glutathionylation: from molecular mechanisms to human diseases**

Institute of Biochemistry, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

Aleksandra Janković: **Redox balance in aging skin: molecular basis and therapeutic target**

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

Vesna Otašević: **Redox signaling as a novel strategy to treat male infertility**

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

Aleksandra Stefanović: **Inflammation and oxidative stress in the pathogenesis of preeclampsia**

Faculty of Pharmacy, University of Belgrade, Belgrade, Serbia

**Session: Pain neurophysiology and neuropharmacology: basic and translational aspects**  
*Chairpersons: Katarina Savić Vujović, Dragan Hrnčić*

Katarina Savić – Vujović: **Old-new drugs ketamine and magnesium in the pharmacotherapy of pain**

Institute of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

Dragan Hrnčić: **Non-pharmacological modulation of pain perception: focus on post-exercise and post-ictal analgesia**

Institute of Physiology “Richard Burian”, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

Branislava Medić: **The role of antidepressants in pharmacotherapy of pain: results of experimental and translational studies**

Institute of Pharmacology, Clinical Pharmacology and Toxicology, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

Ana Micov: **The efficacy of antiepileptic drugs in the animal pain models**

Department of Pharmacology, Faculty of Pharmacy, University of Belgrade, Belgrade, Serbia

Nikola Šutulović: **Behavioral alterations linked with anxiety in experimental model of chronic pelvic pain**

Institute of Physiology “Richard Burian”, Faculty of Medicine, University of Belgrade, Belgrade, Serbia

## RESEARCH TOPICS

SESSION 1: MOLECULAR AND CELLULAR PHYSIOLOGY

SESSION 2: GENETICS AND GENETIC EPIDEMIOLOGY

SESSION 3: CARDIOVASCULAR PHYSIOLOGY, RESPIRATORY PHYSIOLOGY AND EXERCISE

SESSION 4: EXPERIMENTAL HAEMATOLOGY, ONCOLOGY AND IMMUNOLOGY

SESSION 5: GASTROINTESTINAL PHYSIOLOGY AND NUTRITION

SESSION 6: PHARMACOLOGICAL RESEARCH AND TOXICOLOGY

SESSION 7: RESEARCH IN BIOCHEMISTRY AND MEDICINAL CHEMISTRY

SESSION 8: CLINICAL PHYSIOLOGY AND CLINICAL NEUROPHYSIOLOGY

SESSION 9: BIOENERGETICS, OXIDATIVE STRESS AND TISSUE RESPIRATION

SESSION 10: RESEARCH IN PHYSIOLOGY OF EXTREME CONDITIONS AND BALNEOLOGY

SESSION 11: NEW PERSPECTIVES IN PATHOPHYSIOLOGY

SESSION 12: NEUROBIOLOGY AND NEUROPHYSIOLOGY

SESSION 13: ENDOCRINOLOGY AND NEUROENDOCRINOLOGY

SESSION 14: TEACHING PHYSIOLOGY AND PhD PROGRAM IN PHYSIOLOGICAL SCIENCES

## IMPORTANT INFORMATION

Congress date: September 19-23, 2018

Congress Venue: Faculty of Medicine, University of Niš, Niš, Serbia (Blvd. Dr Zorana Djindjića 81)

(Participation upon registration only)

### CALL FOR ABSTRACTS

The Program Committee is welcoming the submission of original contributions for oral and poster presentations at the meeting.

### ON-LINE ABSTRACT SUBMISSION

On-line submission of abstracts is encouraged by the Program Committee. Scientific contributions should be according to the topics of the meeting. Abstract must be written in English. Please, note that abstracts whose English language is of poor quality will be rejected. PLEASE, PREFER THE TYPE OF PRESENTATION (oral or poster). Accepted abstracts will be scheduled for the type of presentations by the authority of the Program Committee.

**IMPORTANT NOTICE – THE DEADLINE FOR ABSTRACT SUBMISSION IS JULY 1st 2018.**

ABSTRACTS TO BE SEND ONLY TO THE E-MAIL ADDRESSES OF THE PROGRAM/ORGANIZING COMMITTEE [drdjuric@eunet.rs](mailto:drdjuric@eunet.rs) or [drvkladakgbg@yahoo.com](mailto:drvkladakgbg@yahoo.com)

THE NUMBER OF ABSTRACTS IS NOT LIMITED.

Only abstracts accompanied by the payment of the registration fee will be considered for inclusion in Final Program and publication in Abstract Book. The transmission of the abstracts via fax, sending floppy discs, CD or USB by standard mail is not acceptable. Late abstracts will NOT be accepted.

### INSTRUCTIONS FOR AUTHORS

- 1) Abstracts should contain short TITLE; a list of AUTHOR(S); the INSTITUTION(S) (*Italic*) where the investigation was performed and the TEXT.
- 2) The title should be written in capital and bold letters. Underline the presenting author.
- 3) Abstracts should state the study's objective, briefly describe the MATERIALS AND METHOD used, summarize the RESULTS obtained and state the CONCLUSIONS.
- 4) The recommended font is **Time New Roman** and font size **12**. Kindly set the language to English.
- 5) Type the entire abstract single-spaced without margins at the top of sides.
- 6) Abstracts should contain **no more than 250 words**. Abstracts received after the deadline and abstracts not complied according to the instructions will not be accepted.

EXAMPLE:

## **THE EFFECTS OF NITRIC OXIDE SYNTHASE- OR LIPOXYGENASE INHIBITION ON CORONARY FLOW AND NITRITE OUTFLOW IN ISOLATED RAT HEART**

Jakovljević V<sup>1</sup>, Djurić D<sup>2</sup>

<sup>1</sup>*Department of Physiology, Faculty of Medical Sciences, University of Kragujevac, Kragujevac,* <sup>2</sup>*Institute of Medical Physiology "Richard Burian", Faculty of Medicine, University of Belgrade, Belgrade, Serbia*

The aim of this study was to assess the changes of coronary flow and nitrite outflow under inhibition of nitric oxide synthase by L-NAME or lipoxygenase induced by nordihydroguaiaretic (NDGA, LOX-inhibition) acid in isolated rat heart. The hearts of male Wistar albino rats (n=18, age 8 weeks, body mass 180-200 g) were retrograde perfused according to the Langendorff technique at gradually increased constant perfusion pressure conditions (CPP, 40-120 cm H<sub>2</sub>O) which induced flow-dependent NO release (nitrite outflow).....

### **NOTIFICATION OF ACCEPTANCE**

Authors will be informed of their abstract acceptance (or rejection) not later than **September 1st 2017**. For this notification, the correct mailing address including e-mail address, phone and fax number is essential. Please carefully provide the e-mail address sending with abstracts. The registered author is responsible for informing all authors of the status of the abstract.

### **ANNOUNCEMENTS DELIVERY**

The first announcement: second half of October 2017 and end of January 2018

The second announcement: second half of May 2018

The final program: the first half of September 2018

### **REGISTRATION FEE** (before September 1<sup>st</sup> 2018 or after September 1<sup>st</sup> 2018)

PARTICIPANTS	60 € or 80 €
MEMBERS OF THE SERBIAN PHYSIOLOGICAL SOCIETY	20 € or 40 €
(confirmation of regularly paid membership fee for 2015, 2016, 2017, and 2018; per year 1000 RSD)	
STUDENTS ( <u>only undergraduates</u> )	*free of charge

\*Certificate required

Please use exchange offices located near to the congress venue.

### **NOTICE:**

For attendees from abroad – payment in Euro to account of Serbian Physiological Society:

#### **INTERMEDIARY BANK/CORRESPONDENT BANK:**

SWIFT – BIC: DRESDEFF

Name: DRESDNER BANK AG

City, Country: FRANKFURT AM MAIN, GERMANY

#### **ACCOUNT WITH INSTITUTION/BENEFICIARY'S BANK:**

SWIFT – BIC: KOBBSBGXXX

Name: KOMERCIJALNA BANKA A.D. BEOGRAD

Street: SVETOG SAVE 14

City, Country: BEOGRAD, REPUBLIC OF SERBIA

**BENEFICIARY:**

IBAN/Account Number: RS35205007040000174821  
Name: DRUŠTVO FIZIOLOGA REPUBLIKE SRBIJE  
Street: DR SUBOTIĆA BR 8  
City, Country: 11000 BEOGRAD, REPUBLIC OF SERBIA

For attendees from Serbia ONLY – payment in Dinars (according to the official currency rate on the day of payment) to Komercijalna Banka A. D. account of Serbian Physiological Society number: 205-40932-94 KOMERCIJALNA BANKA A.D.

Full registration includes admission to all scientific sessions, opening ceremony, welcome reception, cocktail, and receiving abstract book. The meeting will be CME accredited.

**COFFEE, REFRESHMENT AND LUNCH**

Lunch, coffee or tea should be provided by sponsors of the congress or on a commercial basis in a restaurant of the Faculty of Medicine University of Niš during the working days of the congress.

**OFFICIAL LANGUAGE**

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

**ORAL PRESENTATIONS**

Invited speakers are allocated 20 minutes for presentation. All other speakers for oral presentations are kindly requested to keep their presentation 10 or 15 minutes maximal with discussion time according to the final program timetable.

**POSTER PRESENTATIONS**

A few interactive poster sessions will be held during the meeting. Authors are requested to mount their posters from 9.00 to 18.00 on the day of the poster presentation. 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 schedule. Award will be offered for the best poster presentations in a group of young investigators.

**AUDIOVISUAL FACILITIES**

For the plenary and 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 [drvladakbg@yahoo.com](mailto:drvladakbg@yahoo.com)

**SOCIAL PROGRAM**

The social program will include convivial (welcome reception, cocktail) and cultural (city tours, sacral objects, visits to museums, galleries etc.) events; only the first will be covered by the registration fee. Please contact congress desk for special inquiries.

## 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.

## FULL-LENGTH PAPERS

Certain number of abstracts presented at the congress will be published as full-length papers in *Serbian Journal of Experimental and Clinical Research*, official journal of the Faculty of Medical Sciences, University of Kragujevac and the Serbian Physiological Society. In addition, certain number of abstracts presented at the congress will be offered to published as full-length papers in an international journal indexed in *Current Contents/Science Citation Index* or in a monograph of international publisher. For both options it will be possible upon invitation ONLY and STRICTLY after peer-review procedure after the meeting.

## APPLICATION FORM

### 4<sup>th</sup> CONGRESS OF PHYSIOLOGICAL SCIENCES OF SERBIA WITH INTERNATIONAL PARTICIPATION

September 19-23, 2018

(venue: Faculty of Medicine, University of Niš, Niš, Republic of Serbia)

FIRST NAME AND SURNAME \_\_\_\_\_

PROFESSION/TITLE \_\_\_\_\_

INSTITUTION \_\_\_\_\_

ADDRESS \_\_\_\_\_

COUNTRY \_\_\_\_\_ Phone \_\_\_\_\_ Fax \_\_\_\_\_

E-mail \_\_\_\_\_

TITLE OF PRESENTATION

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TOPIC & SCIENTIFIC SESSION \_\_\_\_\_

PRESENTATION PREFERENCE  ORAL  POSTER  EITHER

Date: \_\_\_\_\_

Signature: \_\_\_\_\_

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