

ADVANCES IN CARDIOVASCULAR RESEARCH

from the bench to the patient's bed

*International symposium
September 2 - 5, 2015*

Smolenice Castle - Congress center of the
Slovak Academy of Sciences
Bratislava, Slovakia



Second Announcement

Organizers

Institute for Heart Research Centre of Excellence of SAS NOREG Slovak Physiological Society
Slovak Academy of Sciences Slovak Society of Cardiology Institute of Cardiovascular Sciences

*Under the auspices of the International Academy of Cardiovascular Sciences
International Academy of Cardiovascular Sciences - European Section
European Academy of Sciences and Arts*



CONTACTS

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GENERAL INFORMATION

Venue and date

Congress Centre of SAS – Smolenice Castle, Slovak Republic. September 2nd – 5th, 2015

Registration

Registration on the premises of the Castle, from Wednesday, 2.9: 15.00 – 18.00.

Regular conference fee “package” includes 3 nights’ accommodation, meals, full hospitality and social program: **250 EUR**. Special fee for students and young scientists (<35): **150 EUR**

Payment in cash is possible at registration.

Language

The official language - English

Accommodation

On the premises of the Castle

Information for presenters

Oral presentations: 20 or 15 min including discussion; ♣ - young investigators, 12 min including discussion.

Posters should be mounted after the registration. The authors should be present during the Moderated Poster sessions. Poster board size – 100 x 130 cm (vertical).

For young Scientists (<35), there will be Oral Presentations and Poster Presentations Competitions, 4 Oral and 4 Poster presentations awards will be given to the winners (250\$ each).

Scientific topics

- **Pathophysiology of cardiovascular diseases (CVD), their risk factors and molecular mechanisms**
 - *hypertension, remodeling, hypertrophy, ischemic heart disease, aging*
 - *radiation-induced heart disease, cardiomyopathies, heart failure*
 - *arrhythmias, sudden death*
 - *metabolic disorders, endothelial dysfunction*
- **Myocardial adaptation, mechanisms of cell survival and death**
- **Genetic aspects of CVD**
- **Drug therapy and new approaches to management of CVD**

Each scientific session will include 2-3 lectures of invited speakers followed by free oral communications selected from the abstracts and Young Scientists presentations (♣).

LIST OF CONFIRMED SPEAKERS

1. **Adameová Adriana (Slovakia):** New insight into cardiac contractility in pathologically-modified heart
2. **Anand-Srivastava Madhu (Canada):** Role of Natriuretic peptide receptor C in the regulation of blood pressure
3. **Barančík Miroslav (Slovakia):** The role of matrix metalloproteinases in chronic responses of rat hearts to irradiation and doxorubicin treatment
4. **Barteková Monika (Slovakia):** Mechanisms of oxytocin action in the heart
5. **Baczkó István (Hungary):** Comparison of the cardiac electrophysiological and antiarrhythmic effects of chronic amiodarone and desethylamiodarone administration in dogs
6. **Beltowski Jerzy (Poland):** Effect of high-fat diet on hydrogen sulfide production in perivascular adipose tissue – implications for cardiovascular diseases
7. **Bernátová Iveta (Slovakia):** Endothelial dysfunction and oxidative stress in hypertension: Chicken-and-egg problem
8. **Bkaily Ghassan (Canada):** Reactive oxygen species and nuclear calcium homeostasis of human vascular smooth muscle cells
9. **Buttar Harpal (Canada):** TBA
10. **Czubryt Michael (Canada):** Targeting scleraxis: Cardiac fibrosis in the crosshairs
11. **Dhalla Naranjan (Canada):** CO₂ Bath as a Novel Therapy for Peripheral Vascular Disease
12. **Djuric Dragan (Serbia):** Homocysteine and thiolactone metabolites: progress in cardiovascular research
13. **Ferdinandy Péter (Hungary):** Gene expression profile of cardioprotection
14. **♣ Frimmel Karel, Breierová Emília, Križák Jakub, Navarová Jana, Okruhlicová Ludmila (Slovakia):** Effect of carotenoids on Cx40 and Cx43 expression in left ventricle of normotensive rats during inflammation
15. **Goncalvesová Eva (Slovakia):** Long-term ventricular assist devices - a challenge for basic research
16. **Groenendyk Jody (Canada):** ER stress in cardiac fibrosis and heart failure
17. **Hatala Robert, Hlivák Peter (Slovakia):** Can we cure atrial fibrillation? A critical reappraisal from cell to bedside.
18. **♣ Jacobazzi Dominga (GB):** TBA
19. **Jacques Danielle (Canada):** Endocardial endothelium and cardiac hypertrophic factors
20. **Kartha C.C. (India):** Cyclophilin A - a serological marker for vascular disease in type 2 diabetes
21. **Kjeldsen Keld (Denmark):** Potassium shifts during exercise as trigger of sudden cardiac death
22. **Kolář František (Czech republic):** Determinants of ischemic tolerance in chronically hypoxic hearts
23. **Kukreja Rakesh (USA):** PDE5 inhibition and cardioprotection
24. **Kurahara Lin H. (Japan):** TRP channels in vascular disorders
25. **Lazou Antigone (Greece):** Exploring newer cardioprotective strategies: PPARs in perspective
26. **♣ Ledvényiová-Farkašová Veronika, Čarnická Slávka, Muráriková Martina, Griecsová Lucia, Gablovský Ivan, Kolář František, Ravingerová Táňa (Slovakia, Czech republic):** Remote ischemic preconditioning in six-months old male and female rats and its impact on the hearts exposed to ischemia/reperfusion injury: intrinsic mechanisms behind
27. **Maulik Nilanjana (USA):** New molecular targets of VEGF signaling in cardiovascular disease
28. **Muntean Danina (Romania):** Novel pharmacological modulators of the cardiac ATP-sensitive potassium channels
29. **Ošťádal Bohuslav (Czech republic):** Exercise induced cardioprotection
30. **Pecháňová Oľga (Slovakia):** Effects of nanoparticle-loaded aliskiren in the cardiovascular system of hypertensive rats
31. **Pierce Grant (Canada):** The influence of chlamydia pneumoniae infection on cardiovascular

- disease
32. ♣ **Rajtík Tomáš (Slovakia):** Role of CaMKII δ in end-stage human heart failure
 33. **Ravingerová Táňa (Slovakia):** Mending the broken heart: from molecular mechanisms to the bedside
 34. **Róth Erzsébet (Hungary):** TBA
 35. **Schulze Wolfgang, Wallukat Gerd (Germany):** Autoimmunity and treatment with aptameres
 36. **Sharma Hari (The Netherlands):** TBA
 37. **Singal Pawan (Canada):** Innate signalling in heart failure
 38. **Slezák Ján (Slovakia):** The possibility of preventing cardiovascular injury after the therapeutic radiation of the mediastinum
 39. **Srivastava Ashok (Canada):** Role of Egr-1 in vascular biology
 40. **Suleiman M.-Saadeh (GB):** Is Propofol Cardioplegia Protective in Patients Undergoing Coronary Artery Bypass Grafting or Aortic Valve Replacement?
 41. ♣ **Szobi Adrián (Slovakia):** Relevance of necroptosis in pathologies of the cardiovascular system
 42. **Tribulová Narcis (Slovakia):** Ultrastructural alterations reflecting disorders in Ca²⁺ handling and cell-to-cell coupling precede acute heart failure
 43. **Varró András (Hungary):** NCX inhibition and Ca handling

Deadline for the abstracts submission: June 30th, 2015. Please, send the abstracts by e-mail as an attachment, written as the Word document, maximal 1 page of A4 with 1,5 line spacing.

See the example:

DISTINCT EFFECT OF CROWDING STRESS ON CARDIAC ISCHEMIC TOLERANCE IN MALE AND FEMALE RATS WITH DIFFERENT PREDISPOSITION TO HYPERTENSION

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Genetic predisposition represents important risk factor in etiology of hypertension associated with impaired myocardial response to ischemia and reperfusion (I/R). Individuals with different inherited predisposition can act differently to stressors from the environment. In addition, male and female hearts can exhibit distinct susceptibility to I/R as sex is an important determinant of disparities in cardiovascular morbidity and mortality.

This study aimed to investigate the influence of chronic crowding stress on response to I/R in borderline/spontaneously hypertensive (BHR/SHR) male and female rats in comparison with its effects in normotensive (WKY) counterparts.

.... *Supported by grants...*