



3rd European Section Meeting of the International Academy of Cardiovascular Sciences (IACS)



SECOND ANNOUNCEMENT

In 2016, the 3rd European Section Meeting of the International Academy of Cardiovascular Sciences (IACS) coincides with the 20th Anniversary of the founding of the International Academy of Cardiovascular Sciences by Professor Naranjan Dhalla. On this very special occasion, the meeting is planned to be held between October 1-4 on a cruise ship operated by Pullmantur Cruises (based in Spain), fully equipped with facilities to hold such a scientific meeting. On behalf of the IACS and the Organizing Committee we have great pleasure in inviting you to this fascinating scientific meeting presented on the following topics:

- **Clinical and theoretical aspects of ventricular arrhythmias and sudden cardiac death**
- **Atrial fibrillation: clinical therapy, novel and future strategies of AF management**
- **Clinical and theoretical aspects of heart failure**
- **Cardioprotection, clinical application of cardioprotection**
- **Genetics and cardiovascular disease**
- **Coronary angiogenesis from bench to bedside**

The translational scientific meeting will feature both basic science and clinical sessions, including lectures of invited speakers and oral communications selected from submitted abstracts. We would like to provide opportunities for a number of young investigators to discuss their latest results in both oral and poster presentations.

We believe that your participation will greatly contribute to the success of the meeting and provide an opportunity to discuss the latest advances in experimental and clinical cardiovascular research. In addition to high quality science, the organisers wish to provide a friendly atmosphere aboard ship and in addition, various relaxing and cultural programmes will be available. We invite you to join us at this meeting, to renew old friendships, and to make new ones! Updated information and the application form will be available on the homepage of IACS European Section: <http://www.iacs.sav.sk/meetings.html>

Chairman of the Meeting: Prof. András Varró, MD, DSc

Honorary Chairman of the Meeting: Prof. Naranjan S. Dhalla, PhD, MD (Hon), DSc (Hon)

Organizing secretariat:

Dr. István Baczkó, Dr. Norbert Jost, Dr. László Virág

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Registration and ship information

Ship name: Zenith. Departure port: Marseille, France. Arrival port: Marseille, France. Route: Marseille – Livorno (Pisa, Florence) – Bastia, Corsica – Marseille. More information is available at the website of Pullmantur Cruises: <https://www.pullmantur.es/en/portada.html>

Registration fee is 600 €/person with double cabin occupancy. **Junior registration fee:** 400€/person, only with double cabin occupancy. To qualify for Junior registration fee, the registrant must be a PhD student OR have a PhD degree obtained in 2013 or later (documentation required) AND must not be older than 38. In case of single cabin occupancy, with the possibility of one accompanying person, the registration fee is 1200 €/person (with no additional cost but full board hospitality for the accompanying person). The registration fee also covers on board costs of accommodation (3 nights) and full meals with drink package.

Registration fees should be paid by bank transfer to the following bank account:

Account holder name: IACS-ES FOUNDATION FOR THE FUTURE OF CARDIOLOGY RESEARCH
Bank name: ERSTE BANK HUNGARY ZRT.
SWIFT Code: GIBAHUHB
IBAN Account Number: HU35116000060000000076825530

Please indicate your name and city of origin on the payment. Payment details will be also available at the IACS-ES website: <http://www.iacs.sav.sk/meetings.html>

Registration deadline: July 18, 2016. Payment deadline: July 18, 2016.

Late registration, following July 18, 2016 may be possible, and will depend on cabin availability, at 700€/person with double cabin occupancy, and at 1400€/person with single occupancy (with no additional cost for an accompanying person). **All participants will receive an official Certificate of Attendance and an official Conference Registration Fee Invoice.**

Since the number of available cabins is limited, please make sure you register at your earliest convenience, registrations will be handled at a first-come first-served basis.

Conference abstract submission deadline: July 18, 2016 both for oral and poster presentations. Please indicate your preference for oral or poster presentation on the registration form. Presenters of abstracts accepted and selected for an oral 15-min talk will receive an official invitation letter. Abstract submission forms can be downloaded from the IACS-ES website: <http://www.iacs.sav.sk/meetings.html>

Publication opportunity for presenters

The abstracts of all oral and poster presentations will be published in *Current Research: Cardiology*. Presenters will also be encouraged to submit a full manuscript based on the material presented at the conference for consideration to be published in the *Canadian Journal of Physiology and Pharmacology* or *Current Research: Cardiology*. Manuscript submissions will be subjected to peer-review process.

Travel grants

Junior registrants can apply for travel grants for this conference. Applicants must send a Travel Grant Application Form (form can be downloaded from the IACS-ES website), a brief, 1-page curriculum vitae and their conference abstract to the following e-mail address: baczko.istvan@med.u-szeged.hu. **Travel grant application deadline: June 6, 2016.** Please attach documents proving Junior registrant status (see above). Travel grants will be granted based on the decision of the Council of the European Section of the IACS. The number of travel grants will depend on availability of sponsor funds.

Young Investigator Award Competition

Young investigators (under the age of 33) are encouraged to submit their CV, oral abstract, and a maximum 2-page summary of the research constituting the basis of their talk to baczko.istvan@med.u-szeged.hu. A Committee will choose 6 finalists who will present their work at the Young Investigator Award Session at the meeting. **Submission deadline: June 6, 2016.**

Outline of Tentative Conference Program

Ship embarkation: Grand port maritime de Marseille, Marseille, France, 11:00-12:30, October 1, 2016.

Day 1 (October 1, 2016) – Ship leaves Marseille, France

11:00-12:30 Ship embarkation (separate check-in desks for conference attendees provided)
12:30-13:30 Lunch

Lecture Hall A (Theatre): PLENARY LECTURES

14:00-14:10 Opening ceremony
14:10-15:00 Selected Honorary Lecture
15:00-15:30 **Naranjan Dhalla**, Winnipeg, Canada
15:30-16:00 **Kálmán Tóth**, Pécs, Hungary
Myocardial and vascular protection by PARP inhibitors
16:00-17:00 Safety regulations presentation and drill by Pullmantur staff



Lecture Halls C and E (Library Room and Conference Room)

17:00-19:00 **Poster Session I** (even poster numbers, with wine and cheese)
21:00-23:00 Dinner

Day 2 (October 2, 2016) – Ship arrives in Livorno, Italy (~ 7:00 AM)

Facultative program for accompanying persons: Excursion to Pisa and Florence



Parallel sessions in Lecture Halls B (Disco Bar), C (Library), D (Cardroom) and E (Conference Room)

9:00-10:30 Parallel oral sessions (invited speakers and oral abstract presentations)

Lecture Hall B – Clinical (Disco Bar)

Dan Gaita, Timisoara, Romania
To be determined

Zoltán Papp, Debrecen, Hungary
New vasodilators, inotropes and inodilators in the management of acute heart failure

Oral abstracts

Lecture Hall D – Basic science (Cardroom)

Dobromir Dobrev, Essen, Germany
New insights into the molecular mechanisms of paroxysmal atrial fibrillation

Antonio Zaza, Milan, Italy
Stability of the intracellular calcium store as an antiarrhythmic endpoint

Oral abstracts

Lecture Hall C – Basic science (Library)

Ferenc Gallyas, Pécs, Hungary
Role of mitochondrial integrity and network dynamics in regulation of cell death

Bohuslav Ošťádal, Prague, Czech Republic
Protection of the developing heart; possible role of mitochondria

Oral abstracts

Lecture Hall E – Basic science (Conference Room)

Tania Ravingerova, Bratislava, Slovakia
Activation of peroxisome proliferator-activated receptors as a potential mechanism of remote preconditioning-induced cardioprotection in healthy and diseased hearts

Ricardo Gelpi, Buenos Aires, Argentina
Myocardial triggers involved in remote ischemic preconditioning activation

Oral abstracts

10:30-10:50 Coffee break

Parallel sessions in Lecture Halls A (Theatre), B (Disco Bar), C (Library), D (Cardroom), E (Conference)

10:50-12:00 Parallel oral sessions (invited speakers and oral abstract presentations)

Lecture Hall A – Clinical (Theatre)

Zoltán Csanádi, Debrecen, Hungary
Mechanisms of atrial fibrillation: lessons from a 20-year experience of transcatheter ablation

Oral abstracts

Lecture Hall C – Basic science (Library)

Rakesh Kukreja, Richmond, USA
PDE5 inhibition in protection of diabetic heart

Oral abstracts

Lecture Hall E – Basic science (Conference Room)

Péter Ferdinándy, Budapest, Hungary
Function genomics of cardioprotection

Belma Turan, Ankara, Turkey
An investigation on the distribution of zinc-transporters in failing hearts of mammals

Oral abstract

Lecture Hall A (Theatre): PLENARY LECTURES

12:00-12:30 **David Eisner**, Manchester, UK
Systolic and diastolic calcium: in and out of control

12:30-13:00 **Gary Lopaschuk**, Edmonton, Canada
Targeting cardiac fatty acid oxidation to treat heart failure

13:00-15:00 Lunch

[14:00-16:00] IACS Board Meeting for Council members (**Teens' Club Room**)

Parallel sessions in Lecture Halls A (Theatre), B (Disco Bar), C (Library), D (Cardroom), E (Conference)

15:00-16:50 Parallel oral sessions (invited speakers and oral abstract presentations)

Lecture Hall A – Clinical (Theatre)

Amarjit Arnea, Winnipeg, Canada
To be determined

Frans HH Leenen, Ottawa, Canada
Role of CNS MR - AT₁R signaling in heart failure

Oral abstracts

Lecture Hall E – Basic science (Conference Room)

Dragan Djuric, Belgrade, Serbia
To be determined

Michael Czubryt, Winnipeg, Canada
Development of novel therapeutics for cardiac fibrosis

Nilanjana Maulik, Farmington, USA
To be determined

Oral abstracts

Lecture Hall B – Clinical (Disco Bar)

Ramesh G Goyal, Chennai, India
Genome based diagnostics and therapeutics in cardiovascular complications: any light in the tunnel?

Oral abstracts

Lecture Hall D – Clinical (Cardroom)

Grant Pierce, Winnipeg, Canada
Infection and heart disease: new therapeutic option

Oral abstracts

Lecture Hall B – Clinical (Disco Bar)

Karl Werdan, Halle, Germany
Septic cardiomyopathy

Vladimir Jakovljevic, Kragujevac, Serbia
Oxidative stress in exercise: possible interventions with antioxidants for better adaptation

Oral abstracts

Lecture Hall D – Basic science (Cardroom)

Dinender K Singla, Orlando, USA
To be determined

Devendra Agrawal, Omaha, USA
Epicardial adipose tissue in the pathogenesis of intimal hyperplasia and restenosis

Oral abstracts

Lecture Hall C (Library)

Young Investigator Award Competition

Lecture Halls B and C (Conference Room and Library Room)

17:00-19:00 **Poster Session II** (odd poster numbers, with wine and cheese)

21:00-23:00 Dinner

Day 3 (October 3, 2016) – Ship arrives in Bastia, Corsica (~ 7:00 AM)

Social Programme: excursion in Corsica - fee depends on availability of sponsor funds



13:00-15:00 Lunch

[14:00-16:00] IACS Board Meeting for Council members (**Teens' Club Room**)

Parallel sessions in Lecture Halls A (Theatre), B (Disco Bar), C (Library), D (Cardroom), E (Conference)

15:00-17:00 Parallel oral sessions (invited speakers and oral abstract presentations)

Lecture Hall A – Clinical (Theatre)

Róbert Sepp, Szeged, Hungary
Screening for known and novel genetic variants in ion channel diseases with next generation sequencing

Naoki Makino, Beppu, Japan
Telomere biology and cardiovascular disease

Oral abstracts

Lecture Hall C – Basic science (Library)

Madhu Kullar, Chandigarh, India
Role of microRNAs in dilated cardiomyopathy: miRNA-33a as a putative therapeutic target in dilated cardiomyopathy

Katja E Odening, Freiburg, Germany
Transgenic rabbit models for inherited arrhythmia disorders long-QT and short-QT syndrome

Attila Farkas, Szeged, Hungary
The assessment of structural remodeling and proarrhythmic sensitivity in a new rabbit athlete's heart model

Oral abstracts

Lecture Hall E – Clinical (Conference Room)

Helen Maddock, Coventry, UK
New therapeutic strategies to protect the heart from cancer drugs

Oral abstracts

17:30-19:00 **Award Ceremony (Disco Bar)**

21:00-23:00 Dinner

Day 4 (October 4, 2016) – Ship arrives in Marseille, France (~ 8:00 AM)

Arrival and disembarkation.

Lecture Hall B – Clinical (Disco Bar)

Ramesh G Goyal, Chennai, India
Genome based diagnostics and therapeutics in cardiovascular complications: any light in the tunnel?

András Farkas, Szeged, Hungary
Acquired long QT syndrome: does it matter for the clinician or just for the safety pharmacologist?

Oral abstracts

Lecture Hall D – Basic science (Cardroom)

Ján Slezák, Bratislava, Slovakia
Protection of the heart in situations of increased production of oxygen free radicals: radiation and reperfusion injury

Suresh Tyagi, Louisville, USA
To be determined

Danina Muntean, Timisoara, Romania
Crosstalk of Methylene Blue With Monoamine Oxidase Inhibitors in Modulating Mitochondrial ROS Generation in Diabetic Rats

Oral abstracts

International Academy of Cardiovascular Sciences - European Section



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Mission of the European Section of International Academy of Cardiovascular Sciences (IACS-ES)

The general mission of IACS is to promote cardiovascular science, scientific education and interaction of scientists.

In Europe, there are several scientific organizations in the cardiovascular field, such as the national cardiological societies within the European Society of Cardiology (ESC) with its 12 Working Groups, and the International Society for Heart Research – European Section (ISHR-ES). However, the European Section of IACS has a distinctly different mission than those above mentioned organizations. The goal of IACS-ES is not to compete but rather to cooperate with other scientific organizations in the field, focused on the aspects that are not completely covered by other societies.

According to this idea – in addition to the general commitment to promote high quality cardiovascular science in Europe – the IACS-ES has four additional main specific aims.

- Since scientific background, traditions, training and funding vary considerably depending on different regions in Europe, the European Section of IACS-ES would focus on promoting cardiovascular science in European countries, where the conditions for scientific excellence including research, training and funding are less well-established or supported. Such regions of Europe are: Central and Eastern Europe, the Balkan countries and some countries in Southern Europe. To achieve this goal, the IACS-ES would like to help organizing meetings in these regions of Europe encouraging the participation of top scientists from all over the world. Also, the IACS-ES would like to encourage and acknowledge the contribution of scientists from other parts of Europe and the world who play a significant role helping to promote cardiovascular sciences in the so far less successful countries in Europe. The IACS-ES would consider it as a priority to encourage young scientists, postgraduate or PhD students to participate in the meeting organized by IACS via offering travel grants and young investigator and poster awards. In addition, the IACS-ES would like to help organizing scientific summer schools for young scientists and students to get familiar with modern experimental techniques and build up scientific connections throughout Europe.
- Since some of the cardiovascular meetings do not provide a sufficient basis for interaction between the basic science and clinical communities, the IACS-ES would focus on encouraging and promoting direct and strong interactions between basic scientists and clinical cardiologists by putting together experimental and clinical presentations in joint sessions providing a platform for common discussions.
- High-tech industry including pharmaceutical industry is not evenly distributed in Europe. It is relatively well-developed in Western and Northern Europe and it is less-developed in Eastern-Central, Southern Europe and in the Balkan region. Therefore, one important goal of IACS-ES is to provide direct interactions for basic scientists and clinical cardiologists with industrial representatives from all over European countries. In addition, it is also important to provide a forum for companies operating in the less-advanced regions of Europe helping interactions with leading scientists from all over the world with scientists working in those regions. The latter may help those companies to increase the success of their business and also bring better opportunity for local cooperation to enhance their innovation strength and providing experts for their potential needs.
- Since IACS-ES closely interacts with other sections of IACS worldwide, it can help to provide a wide range of interactions between cardiovascular scientists in Europe and the rest of the world. In this respect, IACS-ES can facilitate participation of European scientists in meetings outside Europe on a mutual basis. Also, the official Journal of IACS, the “CV Network”, which contains important information about the life of the IACS – including a meeting calendar - can be distributed to the national cardiological societies who would take part in the Academic Membership program of the IACS-ES. In this way, the “CV Network” can provide useful information for national cardiological societies in Europe with their several thousand members, and IACS-ES can also inform the members of IACS worldwide regarding main ongoing activities in Europe including meetings.