



INTERNATIONAL SOCIETY FOR HEART RESEARCH ISHR - EUROPEAN SECTION

ISHR-ES 2014 BARCELONA

Thursday 3rd July 2014

08:00-09:00) Registration/Put posters up

08:55-09:00) Welcome address – President of ISHR-ES and local organizer

09:00-10:30) Session 1: NOVEL ASPECTS IN CARDIOPROTECTION

(Joint session with SASCAR)

Chairs: *Peter Ferdinandy (Budapest, Hungary), Hans Strijdom (Stellenbosch, South Africa)*

09:00-09:25) Melatonin in red wine for cardioprotection

Sandrine Lecour (Cape Town, South Africa)

09:25-09:50) Extracellular RNA as a target for cardioprotection

Klaus Preissner (Giessen, Germany)

09:50-10:15) HDAC4 as a therapeutic target for heart failure

Christoph Maack (Homburg, Germany)

10:15-10:30) MicroRNAs involved in cardioprotection by ischemic pre- and postconditioning: ProtectomiRs

Zoltan Varga (Debrecen, Hungary)

10:30-11:00) COFFEE BREAK

11:00-12:30) Session 2: MITOCHONDRIA AND CARDIOVASCULAR DISEASE

Chairs: *Marisol Ruiz-Meana (Barcelona, Spain), Derek Hausenloy (London, UK).*

11:00-11:25) OPA1 and the 'Supercomplexes'

Luca Scorrano (Padova, Italy)

11:25-11:50) Mitochondrial dynamics and vascular smooth muscle proliferation

Susan Chalmers (Glasgow, UK)

11:50-12:15) Mitofusin 2: a role in diabetes and cardiac metabolism

Antonio Zorzano (Barcelona, Spain)

12:15-12:30) Superresolution microscopy reveals proliferative T-Tubule remodeling as general disease mechanism in early stages of heart failure development

Eva Wagner (Gottingen, Germany)

12:30-13:30) POSTERS/ LUNCH

13:30-15:00) Session 3: GLUCAGON-LIKE PEPTIDE-1 (GLP-1) AND THE HEART

Chairs: *David Garcia-Dorado (Barcelona, Spain), Thomas Eschenhagen (Hamburg, Germany)*

This session is kindly sponsored by Novo Nordisk

13:30-13:55) GLP-1: (patho) physiology and pharmacology

Tina Vilsboll (Copenhagen, Denmark)

13:55-14:20) GLP-1 in diabetic microangiopathy

Rafael Simó (Barcelona, Spain)

14:20-14:45) GLP-1 eluting CellBead infusion in acute myocardial infarction

Eric Duckers (Rotterdam, Netherlands)

14:45-15:00) Hyperosmolarity-enhanced cox-2 expression contributes to high glucose-induced microangiopathy

Rosalinda Madonna (Chieti, Italy)

15:00-15:30) COFFEE BREAK

15:30-17:00) Session 4: MULTIPLE PATHWAYS TO CELL DEATH

Chairs: *Jean-Luc Balligand (Brussels, Belgium), David Eisner (Manchester, UK)*

15:30-15:55) Apoptotic cell death

Jean-Claude Martinou (Geneva, Switzerland)

15:55-16:20) The FO ATP synthase and the MPTP

Massimo Bonora (Ferrara, Italy)

16:20-16:45) RIP kinase and cell death by necroptosis- new kids on the block.

Peter Vandenabeele (Ghent, Belgium)

16:45-17:00) Impaired autophagic flux in Mybpc3-targeted mice with cardiac hypertrophy

Saskia Schlossarek (Hamburg, Germany)

17:00-18:00) Session 5: YOUNG INVESTIGATOR AWARD SESSION

Chair: **Peter Ferdinandy** (Budapest, Hungary)

Panel: **Derek Hausenloy** (London, UK) **Rodolphe Fischmeister** (Chatenay-Malabry, France), **Emilio Hirsch** (Torino, Italy), **Finn Olav Levy** (Oslo, Norway)

17:00-17:15) p66ShcA adaptor protein facilitates heart rupture via activation of MMP-2 in an in vivo model of myocardial infarction in mice.

Anton Baysa (Oslo, Norway)

17:15-17:30) Cardio-protective effects of exercise are abolished in pressure-overload following aortic constriction by increased eNOS uncoupling and oxidative stress.

Yanti Octavia (Maastricht, Holland)

17:30-17:45) DNA methylation patterns at promoters of hypertrophy associated genes in an engineered heart tissue model of cardiac hypertrophy.

Justus Stenzig (Hamburg, Germany)

17:45-18:00) Long non-coding RNAs in the infarcted heart

Jennifer Zangrando (Luxembourg)

18:00-18:30) GENERAL ASSEMBLY

18:30-19:00) COCKTAIL RECEPTION IN GARDEN

19:00-20:00) POSTER RECEPTION

Moderated poster session

Chairs: **David Eisner** (UK), **Yoram Etzion** (Israel), **Jean-Luc Balligand** (Belgium), **Hans Strijdom** (South Africa), **Thomas Eschenhagen** (Germany), **Derek Hausenloy** (UK), **Sandrine Lecour** (South Africa).

20:30) ISHR-ES DINNER

Friday 4th July 2014

12:30-14:30) Room B1 (*Only for Council Members*)

ISHR-ES Summer Council Meeting

ISHR-ES Bordeaux 2015 Program Meeting

Saturday 5th July 2014

ISHR (ES)- Awards and Lecture

Room 3

Chairs: Peter Ferdinandy (Hungary) and David Eisner (UK)

15:30-15:50) ISHR Servier Award Winner 2013

Validating ArhGAP15 as a novel target for antioxidant therapy in heart failure.

Alessandra Ghigo (Torino, Italy)

15:50-15:55) ISHR Servier Award Winner 2014

Targeting microRNA to inhibit chronic exercise training-induced sinus node disease.

Alicia D'Souza (Manchester, UK)

15:55-16:05) ISHR 2014 Distinguished Leader Award:

Laudatio by Péter Ferdinandy for Award winner Gerd Heusch (Essen, Germany)

Announcement for YIA and Poster award winners

16:05-17:00) The Janice Pfeffer Distinguished Lecture:

Laudatio by David Eisner for Award winner Joan Heller-Brown (San Diego, USA)

Gq and RhoA signaling in cardiac hypertrophy, heart failure and protection

Joan Heller-Brown (University of California at San Diego, USA)