

Winter Meeting on Translational Cardiology

Organised by the Heart Failure Association of the ESC (HFA)

In collaboration with the ESC Working Groups on Myocardial Function, Cellular Biology of the Heart, Cardiac Cellular Electrophysiology, and Cardiovascular Pharmacology and Drug Therapy and the Council for Basic Cardiovascular Science

HEART FAILURE AND REGENERATION

23-26 January 2008

Garmisch-Partenkirchen, Germany

Thursday Morning, January 24

8:15 – 8:25

Introduction

Welcome

G Hasenfuss (Germany) – Chairperson of the Scientific Committee

K Dickstein (Norway) – President of the HFA

Brutsaert Lecture

Chaired by: J McMurray (UK)

8:25 – 8:50

E Olson (USA)

Genetic pathways in cardiovascular development and disease

Session I

Stem Cells for Cardiac Repair

Chaired by: R Ferrari (Italy), JL Balligand (Belgium)

8:50 – 9:15

K Laugwitz (Germany)

Multipotent Isl1+ cardiovascular progenitor cells

9:15 – 9:40

M Schneider (UK)

Cardiopoiesis: Genes controlling cardiac muscle cell creation in embryonic stem cells

9:40 – 10:05

L van Laake (Netherlands)

Stem cell transplantation for heart failure

10:05 – 10:30

M Mayr (UK)

Lessons from analysis of stem cell proteome

10:30 – 11:00

Coffee Break

Session II

The Ubiquitin-Proteasome System

Chaired by: E Hirsch (Italy), D Hilfiker-Kleiner (Germany)

11:00 – 11:25

X Wang (USA)

The Ubiquitin-proteasome system for protein degradation

11:25 – 11:50
L Carrier (Germany) UPS in familial cardiomyopathy

11:50 – 12:15
V Adams (Germany) UPS in myocardial infarction

12:15 – 13:00
Lunch

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| Thursday Evening, January 24 |
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17:15 – 19:45 **Poster Session with Wine & Cheese**

Judges: T Eschenhagen, M Böhm (Germany)
P Doevendans, W van Gilst (Netherlands)
A Leite-Moreira (Portugal)

20:00 – 22:00
Dinner

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| Friday Morning, January 25 |
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Session III

8:15 – 8:40
L Field (Germany)

8:40 – 9:05
I Komuro (Japan)

9:05 – 9:30
F Lezoualc'h (France)

9:30 – 9:55
J Diez (Spain)

9:55 – 10:10
R Knoell (Germany)

10:10 – 10:40

Session IV

10:40 – 11:05
D Srivastava (USA)

11:05 – 11:30
L de Windt (Netherlands)

11:30 – 11:55
G Condorelli (Italy)

EUGeneHeart Session: Cardiac Remodeling

Chaired by: A Shah (UK), D Brutsaert (Belgium)

Cell cycle regulation

Relevance of angiogenesis

Epac –from hypertrophy to failure

Biomarkers of cardiac remodeling

Oral Abstract Presentation: Integrin-linked kinase (ILK) and laminin alpha 4 (lama4) mutations cause via extracellular matrix mediated defects human cardiomyopathy

Coffee Break

Relevance of microRNAs in cardiac disease

Chaired by: G Condorelli (Italy), S Engelhardt (Germany)

MicroRNA in cardiac development

Cardiac microRNA biogenesis and stress-responsive microRNAs in heart failure

Genetics of MicroRNA in CV disease

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| 11:55 – 12:10 J PG Sluijter (Netherlands) | <u>Oral Abstract Presentation</u> : MicroRNA-1 regulates (cardio)myocyte differentiation and proliferation in human-derived cardiomyocyte progenitor cells |
| 12.10 | Group photograph |
| 12:20 – 13:00 | <i>Lunch</i> |

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| Friday Evening, January 25 |
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| 17:15 – 17:45 | <i>Coffee Break</i> |
| <u>Session V</u> | <u>Diastolic heart failure</u> Chaired by: B Casadei (UK), G Hasenfuss (Germany) |
| 17:45 – 18:10 B Pieske (Austria) | Pathophysiology |
| 18:10 – 18:35 J van der Velden (Netherlands) | Protein phosphorylation and cardiac relaxation |
| 18:35 – 19:00 S Heymans (Netherlands) | Extracellular Matrix |
| 19:00 – 19:45 K Dickstein (Norway) P Poole-Wilson (UK) | Views from 2 clinicians |
| 20:00 – 22:00 | <i>Dinner and announcement of poster prize winners</i> |

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| Saturday Morning, January 26 |
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| <u>Session VI</u> | <u>Myocardial ion homeostasis</u> Chaired by: K Sipido (Belgium), S Lehnart (Germany) |
| 8:30 – 8:55 D Eisner (Germany) | Basic Cardiovascular Science Council Lecture Focal calcium sparks to calcium waves |
| 8:55 – 9:20 G Christensen (Norway) | SERCA-KO and heart failure |
| 9:20 – 9:45 G Smith (UK) | Modulators of arrhythmogenic calcium release in heart failure |
| 9:45 – 10:10 L Maier (Germany) | Cardiac sodium overload in heart failure |
| 10:10 – 10:25 C H George (UK) | <u>Oral Abstract Presentation</u> : Suppression of arrhythmogenic Ca ²⁺ fluxes in cardiac cells using fragments of human ryanodine receptors |

10:25 – 10:55

Coffee Break

Session VII

The emerging cardiovascular role of Notch signalling

Chaired by: H Drexler (Germany), G Tarone (Italy)

10:55 – 11:20

M Gessler (Germany)

Notch signalling in heart development and homeostasis

11:20 – 11:45

T Pedrazzini (Switzerland)

Notch signalling in cardiogenesis

11:45 – 12:10

F Limbourg (Germany)

Notch signalling in angiogenesis and arterial regeneration

12:10 – 12:25

C Napp (Germany)

Oral Abstract Presentation: Notch signaling in the arterial endothelium determines postnatal arteriogenesis

Concluding remarks

12:25 – 13:30

Lunch