

# Scientific Programme

## Heart Failure Association of the European Society of Cardiology Translational Winter Research Meeting on Heart Failure

27-30 January, 2010  
Les Diablerets, Switzerland

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

### Thursday Morning, 28 January

8:15 – 8:25	A Shah (UK) - Introduction & Welcome
<b>8:25 – 8:50</b>	<b><u>Brutsaert Lecture</u></b> Rodolphe Fischmeister (France): Cardiac cAMP signaling: from subcellular microdomains to heart failure
<b>8:50 – 10:30</b>	<b>Session I. Signalling microdomains in the control of cardiac hypertrophy</b> <i>Chaired by: E Hirsch (Italy), B Casadei (UK)</i>
8:50 – 9:15	T Pozzan (Italy) - Ca <sup>2+</sup> oscillation frequency decoding in cardiac cell hypertrophy
9:15 – 9:40	A Lacampagne (France) - Hypernitrosylated ryanodine receptors and calcium leak
9:40 – 10:05	S Janssens (Belgium) - PDE5 and PKG compartmentation
10:05 – 10:30	L Maier (Germany) - CamK signalling in cardiac hypertrophy
10:30 – 11:00	<i>Coffee Break</i>
11:00 – 12:30	<b>Session II. Epigenetic regulation in cardiovascular disease</b> <i>Chaired by: L de Windt (Netherlands), W Linke (Germany)</i>
11:00 – 11:25	MP Gupta (US) - Sirt3-dependent modulation of cardiac hypertrophy
11:25 – 11:50	J Sadoshima (US) - Redox modulation of Class II HDACs
11:50 – 12:15	J Backs (Germany) - CamKII delta and HDAC phosphorylation in pathological hypertrophy
12:15 – 12:30	Abstract 10: Modulation of hypertrophic signalling in the heart by tumour suppressor RASSF1A
12:30	<i>Lunch</i>

### Thursday Evening, 28 January

17:00 - 19:45	<b><u>Poster Session - Wine &amp; Cheese</u></b>
<b>Judges:</b>	K Sipido (Belgium) - Chair of Judges S Lehnart (Germany) S Heymans (Belgium) Z Papp (Hungary) G Tarone (Italy) M van Bilsen (Netherlands)
20:00 – 22:00	<i>Dinner</i>

## Friday Morning, 29 January

8:30 – 9:00	<b>Special Lecture in Honour of Professor Helmut Drexler</b>
9:00 – 10:15	<b>Session III. EUGeneHeart Session: Coronary angiogenesis in hypertrophy and failure</b> <i>Chaired by: G Hasenfuss (Germany), D Brutsaert (Belgium)</i>
9:00 – 9:25	J Heinecke (Germany) - Myocyte control of coronary angiogenesis
9:25 – 9:50	K Walsh (US) - Regulation of cardiac growth and angiogenesis by Akt/PKB signaling.
9:50 – 10:15	M Kuhn (Germany) - The natriuretic peptide/guanyl cyclase A system as a stress-responsive regulator of angiogenesis
10:15 – 10:45	<i>Coffee Break</i>
10:45 – 12:00	<b>Session IV. Cardiovascular imaging</b> <i>Chaired by: B Pieske (Austria), L Carrier (Germany)</i>
10:45 – 11:10	R Choudhury (UK) - Inflammation imaging using iron microparticles.
11:10 – 11:35	V See (UK) - In vivo bioluminescence imaging to visualize NF-kB-dependent transcription
11:35 – 12:00	M Nahrendorf (US) - Molecular imaging of innate immune cell function in the heart
12:00	<i>Group photograph</i>
12:15	<i>Lunch</i>

## Friday Evening, 29 January

17:00 – 17:30	<i>Coffee Break</i>
17:30 – 19:35	<b>Session V. Screening for new genes and pathways in heart failure</b> <i>Chaired by: S Cook (UK), P Ponikowski (Poland)</i>
17:30 – 17:55	N Samani (UK) - Genome-wide scans for genes in heart disease
17:55 – 18:10	F Zannad (France) - Patient datasets for different heart failure phenotypes
18:10 – 18:25	A Voors (Netherlands) - BIOSTAT CHF (A systems BIOlogy Study to Tailored Treatment in Chronic Heart Failure)
18:25 – 18:40	S Anker (Germany) - SICA-HF (Studies Investigating Co-morbidities Aggravating Heart Failure)
18:40 – 19:05	F Cambien (France) - How to incorporate genomics in clinical trials and registries
19:05 – 19:35	Group discussion: Led by A Mebazaa (France) and G Hasenfuss (Germany).
20:00 – 22:00	<i>Dinner and announcement of poster prize winners</i>

**Saturday Morning, 30 January**

- 8:30 – 10:05            **Session VI. Focus on miRNAs**  
*Chaired by: P Doevendans (Netherlands), G Tarone (Italy)*
- 8:30 – 9:00            S Engelhardt (*Germany*), Basic Cardiovascular Science Lecture.  
New avenues in cardiovascular pharmacology
- 9:00 – 9:25            E Creemers (Netherlands) - Role of microRNAs in myocardial matrix remodelling
- 9:25 – 9:50            G Condorelli (Italy) - miR143 / miR1 and IGF1 in heart failure
- 9:50 - 10:05            Abstract 67: MicroRNA-24 regulates angiogenesis in the infarcted heart.
- 10:05 – 10:40            *Coffee Break*
- 10:40 – 12:20            **Session VII. Cardiovascular regeneration**  
*Chaired by: T Eschenhagen (Germany), JL Balligand (Belgium)*
- 10:40 – 10:55            Abstract 63: Pro-angiogenic and anti-inflammatory effects of adenosine through  
modification of alternative splicing of the flt-1 gene.
- 10:55 – 11:20            M Mayr (UK) - Endothelial progenitor cells – Quo Vadis?
- 11:20 – 11:45            L. Field (US) - Genes regulating cardiac myocyte proliferation
- 11:45 – 12:10            D Hilfiker-Kleiner (Germany) - The cardiac Epo/EpoR system and endogenous cardiac  
regeneration potential.
- 12:10**                    **Concluding remarks**
- 12:20                    *Lunch and departure*