

HFA WINTER MEETING

On Translational Heart Failure Research



Organized by the **Heart Failure Association** and
the **Working Group on Myocardial Function** of the
European Society of Cardiology

January 24th-27th, 2018

Les Diablerets, Switzerland

COORDINATOR:

Prof. Rudolf de Boer (NL)

Chair of the Basic Science section of the HFA

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To improve quality of life and longevity, through better prevention, diagnosis and treatment of heart failure, including the establishment of networks for its management, education and research.

PRELIMINARY PROGRAMME

Day
1

Thursday, 25th

08:00 08:10	Welcome to Heart Failure Winter Meeting	R.A. De Boer (NL)
08:10 09:50	The hidden secrets of longevity	J-S. Hulot (FR) T. Eschenhagen (DE)
	• Cardiovascular effects of spermidine.	F. Madeo (AT)
	• Lessons from a survivor: the naked mole rat	G. Lewin (DE)
	• Are adult cardiac stem cells incompetent?	S. Sassoon (FR)
	• The redox regulation of heart regeneration	H. A. Sadek (US)
10:20 12:00	Heart and brain, spleen, kidney – insights into neuro-hormonal-inflammatory activation in heart failure	J. Bauersachs (DE) J-L. Balligand (BE)
	• Brain and kidney in heart failure - The clinical problem	A. Coats (GB)
	• Linking heart and brain - Myocardial infarction and left ventricular remodeling associated with neuroinflammation	F. M Bengel (DE)
	• Heart-brain-kidney network controls adaptation to cardiac stress through tissue macrophage activation	I. Manabe (JP)
	• Cardio-splenic interaction - T cells in myocardial remodelling and aging	U. Hofmann (DE)
16:15 17:45	Special workshop of the Working Group of Myocardial Function: toward standards for the use of US imaging in cardiovascular medicine	M. Giacca (IT) Ines Falcao (PT)
	• Needs and opportunities to improve pre-clinical US imaging in cardiovascular medicine	S. Zacchigna (IT)
	• Use of US imaging in translational medicine	S. Batkai (DE)
	• What can we learn from clinical echocardiography?	P. Lancellotti (BE)
	• Cardiovascular US imaging: where are we going?	C. De Korte (NL)

17:30 19:45	Poster Session	Jury
	○ D. Dawson (UK) ○ L. Hein (DE) ○ L. Van Laake (NL) ○ T. Pedrazzini (CH) ○ M. Sterba (CZ)	○ M. Mayr (UK) ○ A. Lyon (UK) ○ L. de Windt (NL) ○ J. van der Velden (NL) ○ N. Hamdani (DE)



Friday, 26th

08:00 09:40	The cardiac extracellular matrix: beyond a structural scaffolding	A. Gonzalez Miqueo (ES) T. Thum (DE)
	• The ever increasing importance of fibrosis	B. Blaxall (US)
	• Electrical connexion between fibroblasts and cardiomyocytes	P. Kohl (DE)
	• Paracrine effects of fibroblasts: the plasma membrane calcium ATPase 4 signalling in cardiac fibroblasts mediates cardiomyocyte hypertrophy	D. Oceandy (GB)
	• Matrix as an interstitial transport system	E. Creemers (NL)
11:10 11:50	From RNA to proteins - New translational control mechanisms	J. Backs (DE) E. Van Rooij (NL)
	• mRNA methylation as a novel driver of cardiac hypertrophy	F. Accornero (US)
	• RNA binding proteins as regulators of translational efficiency	M. Voelkers (DE)
	• RNA editing in endothelial control	K. Stellos (DE)
	• Localized translation in the sarcomere	I. Kehat (IL)
16:45 17:30	Brutsaert Lecture D. Hilfiker-Kleiner (DE) -	G. Hasenfuss (DE)
17:30 18:15	Special Lecture David Kass (US) - cGMP/PKG Signaling in the Failing Heart: New Targets and New Therapy Options	C-G. Tocchetti (IT)

08:30 10:05	The immune system in cardiac health and disease	R.T. Smolenski (PL) A. Shah (GB)
	- The quest for new approaches in myocarditis and Inflammatory cardiomyopathy - T cell costimulation blockade blunts pressure overload-induced heart failure - Macrophages facilitate electrical conduction in the heart - Identification of a prostaglandin E-induced inflammatory pathway that activates the myocyte enhancer factor 2 in cardiac myocytes.	S. Heymans (NL) G. Condorelli (IT) M. Nahrendorf (US) A. Tóth (HU)
10:25 12:00	Atrial fibrillation and heart failure: common pathways	I-G. Lunde (NO) C. Maack (DE)
	- Atrial fibrillation and heart failure: colliding epidemics - Fibrosis - The inflammasome in AF - Calcium signaling in AF	D. Kotecha (GB) S. Nattel (CA) N. Li (US) D. Dobrev (DE)
12:00 12:10	Closing session	R.A. De Boer (NL)

Clinical Discussants	
○ A. Coats (UK) ○ F. Ruschitzka (CH) ○ P. Seferovic (SRB) ○ S. Bilinski (PL)	○ M. Lainscak (SL) ○ S. Frantz (DE) ○ Antoni Bayes-Genis (ES)

2018

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24-27 January / Les Diablerets, Switzerland



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