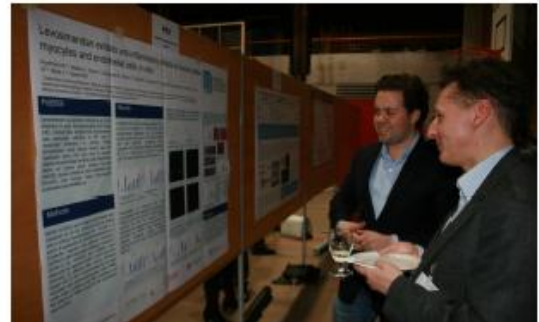


# 2017 HFA Winter Meeting on Translational Heart Failure Research

Organized by the Translational Research Committee of  
the Heart Failure Association (HFA) and  
the Working Group on Myocardial Function of the ESC

**Les Diablerets, Switzerland, January 25 – 28, 2017**



## Wednesday 25 January

17:30	Arrival – registration and ski hire
19:00	Welcome Cocktail
20:00	Dinner

## Day 1

## Thursday, 26 January 2017

08:00 – 08:10	<b>Rudolf de Boer</b> (NL) Welcome from the Chair of the Basic and Translational Science Section of the HFA
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### Session 1

### Metabolic reprogramming of organ function

Chairs:

Linda van Laake (NL), Jean-Luc Balligand (BE)

08:10 – 08:35	<b>Gerald Dorn</b> (US) How mitophagy directs cardiac metabolic maturation
08:35 – 09:00	<b>Ajay Shah</b> (UK) Nox4-mediated metabolic reprogramming and role in cardiac stress adaptation
09:00 – 09:25	<b>Rudolf de Boer</b> (NL) Impact of cardiac LXR $\alpha$ on cardiac hypertrophy
09:25 – 09:50	<b>Johannes Backs</b> (DE) Coupling of metabolic activity and growth state in the endothelium
09:50 – 10:20	Coffee Break

### Session 2

### Nuclear aspects to cardiovascular development and disease

Chairs:

Lutz Hein (DE), Thierry Pedrazzini (SU)

10:20 – 10:45	<b>Vincent Christoffels</b> (NL) Transcriptional regulation in heart development and stress
10:45 – 11:10	<b>Benjamin Meder</b> (DE) Role of DNA methylation in cardiomyopathy
11:10 – 11:35	<b>Mauro Giacca</b> (IT) RNA mimics in cardiac regeneration
11:35 – 12:00	<b>Saptarsi Haldar</b> (US) Epigenetics in Heart Failure

**12:30**

**Lunch**

**15:00 – 16:15**

**Special workshop of the Working Group of Myocardial Function:  
OMICs Bootcamp**

**Chairs:**

Manuel Mayr (AT), Blanche Schroen (NL)

This will be a hands-on session: participants will bring their own laptops and will go through the actual analyses during the boot camp, under supervision.

Number of people limited to 15-20 on a first come, first serve basis during registration.

Raimund Pechlaner, Medical University of Innsbruck, (AT)  
Javier Barallobre-Barreiro, King's College London (UK)

**16:00 – 16:15**

**General discussion**

**16:45 – 17:30**

**Brutsaert Lecture  
Introduction: Ajay Shah**

**(UK)**

**Barbara Casadei**

**(UK)**

Neuronal nitric oxide synthase: From atrial fibrillation to cardiomyopathy and beyond

**17:30 – 19:45**

**Poster Session**

**Poster Judges**

Thomas Eschenhagen (Chair) (DE)  
Eva van Rooij (NL)  
Stephane Germain (FR)  
Denise Hilfiker-Kleiner (DE)  
Ajay Shah (UK)  
Thomas Thum (DE)  
Leon de Windt (NL)  
Lucie Carrier (DE)  
Ida Lunde (NO)  
Johann Bauersachs (DE)  
Dirk Brutsaert (BE)  
Gilles de Keuleanaer (BE)

**Clinical Discussants**

Mitja Lainscak (SI)  
Frank Ruschitzka (CH)  
Wiek H. van Gilst (NL)  
Carolyn Lam (SI)  
Karen Sliwa (ZA)  
Alexandre Mebazaa (FR)

**20:00**

**Dinner**

## Day 2

Friday, 27 January 2017

### Session 3

Chairs:

### Targeting the innate immunity to treat heart failure

Stephane Heymans (NL), Martin Sterba (CZ)

08:00 – 08:25	<b>Stefan Franz</b> (DE) Basic and translational aspects of inflammation in heart failure
08:25 – 08:50	<b>Florian Leuschner</b> (DE) Monocyte directed RNAi silencing in cardiovascular inflammation
08:50 – 09:15	<b>Urs Eriksson</b> (CH) T-cell therapy in heart failure
09:15 – 09:40	<b>Graham Rena</b> (UK) Anti-inflammatory properties of metformin independent of its anti diabetic properties
09:40– 10:10	Coffee Break

### Session 4

Chairs:

### Heart Failure Mechanics

Carlo G. Tocchetti (IT), Ida Lunde (NO)

10:10 – 10:35	<b>Ben Prosser</b> (US) Microtubules buckle and bear load in cardiac myocytes
10:35 – 11:00	<b>Julia Gorelik</b> (UK) Microtubule dysfunction and Ca <sup>2+</sup> handling in heart failure
11:00 – 11:25	<b>Jeff Molkentin</b> (US) How myocyte tension determines the mode of hypertrophic signaling
11:25 – 11:50	<b>Christoph Maack</b> (DE) Mitochondria relay tension to redox – Implications for disease and inotropic treatments
12:00	Group Photograph
12:15	Lunch

16:30 – 17:30

Poster viewing with coffee

17:30 – 18:15

### Special Lecture

	<b>Carolyn S. Lam</b> (SI) HFpEF: from mechanisms to new treatments
18:45	Dinner and announcement of poster prize winners

## Day 3

**Saturday, 28 January 2017**

### Session 6

Chairs:

### Non-myocyte cells in heart failure development

Stephane Germain (FR), Arantxa González (ES)

08:30 – 08:55	<b>Nazha Hamdani</b> (DE) Myocytes vs. non-myocytes in heart failure
08:55 – 09:20	<b>Ebba Brakenhielm</b> (FR) Cardiac Lymphangiogenesis after myocardial infarction and fibrosis
09:20 – 09:45	<b>Jörg Heineke</b> (DE) Endothelial derived GATA2 dependent long non-coding RNAs interfere with cardiomyocyte stress signalling
09:45 – 10:05	Marco Mongillo (IT) <b>Guido Tarone Award winner</b> Dynamics of neuro-effector coupling at cardiac sympathetic synapses
10:05 – 10:25	Coffee Break

### Session 7

Chairs:

### Systems cardiology: Putting the pieces together

Johannes Backs (DE), Alexander Lyon (UK)

#### How to make sense of....

10:25 – 10:45	<b>Jordi Heijman</b> (NL) Modeling of ion fluxes
10:45 – 11:10	<b>Christoph Dieterich</b> (DE) Analysis of different RNA species and modifications
11:10 – 11:35	<b>Inês Falcão Pires</b> (PT) How to integrate –omics in physiological HF studies
11:35 – 12:00	<b>Manuel Mayr</b> (UK) The big picture and future outlook
12:00 – 12:10	Concluding remarks, adjourn
12:30	Lunch
13:15	Departure of bus to Geneva