



# *Molecular and Cellular Biology of Heart Failure*

**Inserm**

**Carry-le-Rouet, Côte d'azur, France  
June 1-3, 2007**

## **New targets for treating HF**

Michael R. Bristow  
Barbara Casadei  
Roger Hajjar  
Frank Lezoualc'h  
Ludwig Neyses  
Angelo Parini

## **Calcium handling dysfunction in HF**

Donald M. Bers  
Ana-Maria Gomez  
Gerd Hasenfuss  
Evangelia G. Kranias  
Stephan E. Lenhart  
Jean-Jacques Mercadier  
Sylvain Richard  
Karin Sipido

## **Cellular signalling in cardiac hypertrophy**

Stefan Engelhardt  
Thomas Eschenhagen  
Christophe Heymes  
Zhenlin Li  
Burkert Pieske  
Nadia Rosenthal  
Grégoire Vandecasteele  
Leon de Windt

## **Organizing Committee**

R Fischmeister  
A-M Gomez  
C Heymes  
F Lezoualc'h  
J-J Mercadier  
E Morel  
P Rouet  
S Richard  
J-L Samuel  
G Vandecasteele

## **Registration**

*Registration fee including housing and meals  
150/300 € for academic /non academic  
Registration is limited to 120 and will be held on the  
basis of first come/first served  
Registration enquiries and contact :  
azur-heart@orange.fr*



# **AZUR-HEART**

## **Final program**



**Carry-le-Rouet, Marseille,  
France  
June 1-3, 2007**

## ***Molecular and Cellular Biology of Heart Failure***

Organizing Committee

Rodolphe Fischmeister, Ana-Maria Gomez, Christophe Heymes,  
Frank Lezoualc'h, Jean-Jacques Mercadier, Eric Morel,  
Sylvain Richard, Patricia Rouet, Jane-Lise Samuel, Grégoire Vandecasteele



# *Molecular and Cellular Biology of Heart Failure*

Friday, June 1<sup>st</sup> 2007

## **Session 1, Part A: “Cellular signalling in cardiac hypertrophy and progression to HF”**

- 2.00 p.m Leon de Windt, Univ. Utrecht, The Netherlands  
*Calcineurin-dependent transcriptional mechanisms in heart failure*
- 2.30 p.m Nadia Rosenthal, EMBL Monterotondo, Rome, Italy  
*NF- $\kappa$ B signalling in cardiac pathophysiology*
- 3.00 p.m Burkert Pieske, University Göttingen, Germany  
*Load- and neuro peptide-dependent subcellular ion handling: functional and trophic consequences*
- 3.30 p.m Christophe Heymes, Inserm U-689, Paris, France  
*Cardiomyocyte neuronal NO synthase: a new player in cardiac hypertrophy*

**Coffee break  
4.00 to 4.30**

## **Session 1, Part B: “Cellular signalling in cardiac hypertrophy and progression to HF”**

- 4.30 p.m Sefan Engelhardt, University of Wuerzburg, Germany  
 *$\beta$ 1-adrenergic receptor signaling*
- 5.00 p.m Grégoire Vandecasteele, Inserm U-769, Châtenay-Malabry, France  
*Role of PDE3 and PDE4 in  $\beta$ -adrenergic control of cAMP and L-type calcium current in adult cardiac myocytes*
- 5.30 p.m ZhenLin Li, Université Paris 7, France  
*Serum response factor plays an important role in cardiac hypertrophy*
- 6.00 p.m Thomas Eschenhagen, Univ. Medic. Center Hamburg-Eppendorf,  
Germany  
*Interventions in cardiac signaling downstream of  $\beta$ -adrenergic receptors as a therapeutic strategy in heart failure*

**Diner  
8.00 p.m**

# *Molecular and Cellular Biology of Heart Failure*

Saturday, June 2<sup>nd</sup> 2007

## Session 2, Part A: “Calcium handling dysfunction in HF”

- 8.30 a.m      Litsa Kranias, Univ. of Cincinnati Coll. of Medicine, USA  
*The Sarcoplasmic Reticulum Ca-Transport Ensemble: Friend or Foe in the Failing Heart?*
- 9.00 a.m      Karin Sipido, University of Leuven, Belgium
- 9.30 a.m      Donald Bers, Loyola University Chicago, USA  
*CaMKII in EC Coupling, Arrhythmogenesis and Excitation-transcription coupling*
- 10.00 a.m     Ana-Maria Gomez, Inserm U-637, Montpellier, France  
*RyR-2 dysfunction associated to Catecholaminergic Polymorphic Ventricular Tachycardia*

**Coffee break**  
**10.30 to 11.00 a.m**

## Session 2, Part B: “Calcium handling dysfunction in HF”

- 11.00 a.m     Jean-Jacques Mercadier, Inserm U-698, Paris, France  
*Conditional cardiac-targeted calstabin 2 overexpression in the mouse: effects at baseline and in models of hypertrophy and failure*
- 11.30 a.m     Stephan Lenhart, Columbia University, New York, USA
- 12.00 a.m     Gerd Hasenfuss, University of Gottingen, Germany  
*Ca-Na interaction in the failing heart*
- 00.30 p.m     Sylvain Richard, Inserm U-637, Montpellier, France  
*Labile repolarization in the failing heart : an unexpected role for calcium*

**Lunch**  
**1-2.30 p.m**

# *Molecular and Cellular Biology of Heart Failure*

Saturday, June 2<sup>nd</sup> 2007

## Session 3, PartA: “New targets for treating HF”

- 2.30 Barbara Casadei, John Radcliffe Hospital, Oxford, UK  
*Does constitutive NO synthase activity protect the failing heart? A double-edged tale*
- 3.00 Roger Hajjar, Massachusetts General Hospital, Boston, USA  
*Targeting Calcium Cycling in Heart Failure by Gene Therapy Approaches*
- 3.30 Frank Lezoualc’h, Inserm U-769, Châtenay-Malabry, France  
*Epac: A new target for cAMP in the heart*

**Coffee break  
4 to 4.30 p.m**

## Session 3, PartB: “New targets for treating HF”

- 4.30 Mike R. Bristow, Univ. of Colorado Health Sciences Center, USA  
*Anti-adrenergic therapy in heart failure: what is the optimal approach?*
- 5.00 Angelo Parini, Inserm U-388, Toulouse, France  
*Cardiac monoamine oxidases: where we are and where we go*
- 5.30 Ludwig Neyses, University of Manchester, UK  
*The sarcolemmal calcium pump as a potential target for heart failure drugs*

Concluding remarks: Rodolphe Fischmeister

**Diner  
8 p.m**