

PRELIMINARY  
PROGRAM



# CARDIOMYOPATHIES: a look at the future

**Directors:**

*Stuart Cook,  
Iacopo Olivotto*

Joint Symposium  
Cardiovascular Genetics and Genomics Group  
National Heart and Lung Institute  
Royal Brompton Hospital, London, UK  
and

Centro di Riferimento per le Cardiomiopatie  
Dipartimento Cardioracovascolare  
Azienda Ospedaliera Universitaria Careggi, Firenze  
Dipartimento di Medicina Clinica e Sperimentale,  
Università di Firenze

PROMOTED BY



FONDAZIONE  
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MENARINI

**DECEMBER 9, 2016**  
Florence - Palazzo Gondi



*Although individually uncommon, cardiomyopathies collectively represent a relevant epidemiological entity in contemporary cardiovascular medicine, posing formidable clinical and pathophysiological challenges.*

*Unprecedented advances have characterized the field in the last decade, attracting growing numbers of investigators in various specialties, in recognition of the inherent fascination and complexity of these conditions.*

*This Joint Symposium aims to provide a comprehensive update on international cardiomyopathy research by presenting ongoing efforts in the fields of genetics and genomics, translational science and imaging.*

*Supported by an unrestricted grant by Fondazione Menarini, the symposium brings together faculty members of the National Heart and Lung Institute Royal Brompton Hospital and Azienda Ospedaliera Universitaria Careggi, enriched by the participation of top investigators from Holland, Belgium and the US.*

*Following a tradition dear to prior Florence Advanced Courses on Cardiomyopathies, the program encourages a close interaction among geneticists, biostatisticians, basic scientists, imaging specialists and clinicians, with ample time for discussion and a session reserved to young investigators and ongoing research projects. Such design is intended to stimulate debate, maximize interaction and promote networking. We hope to attract a multidisciplinary audience of enthusiasts, in order to share old doubts and discuss new ideas in a very informal setting.*

*Welcome to Florence!*

**Stuart Cook**



**Iacopo Olivetto**



# PRELIMINARY PROGRAM

**08.00** Registration

**09.00 Opening Ceremony**

*M. Calamai; N. Marchionni; C. Poggesi*

**09.15 Introductory Lecture**

*Chair: N. Marchionni*

Understanding cardiomyopathies:  
translational is the way to go

*M. Yacoub*

**09.45 - 11.00 SESSION 1**

**THE FUTURE OF GENETIC RESEARCH**

*Chair: F. Cecchi; A. Pantazis*

**09.45** Why do we need more genetic research in cardiomyopathy?

*J. Ware*

**10.05** Insight from international registries

*F. Girolami*

**10.25** Deep phenotyping of gene+/pheno- individuals

*M. Michels*

**10.45** Discussion

**11.00** Coffee break

**11.30 - 13.05 SESSION 2**

**THE FUTURE OF TRANSLATIONAL AND  
PHARMACOLOGICAL RESEARCH**

*Chair: P. Barton; E. Cerbai*

**11.30** New therapeutic targets and biomarkers for cardiac fibrosis

*S. Cook*

**11.50** Lessons from cellular electrophysiology

*C. Poggesi*

**12.10** Rationale for metabolic treatment of hypertrophic cardiomyopathy

*J. Van Der Velden*

**12.30** Clinical development of novel treatment options

*I. Olivetto*

**12.50** Discussion

**13.05** Lunch

**14.20 - 16.00** **SESSION 3**

**THE FUTURE OF IMAGING**

*Chair: S. Colagrande; C. Di Mario*

**14.20** Novel imaging and peripheral biomarkers in cardiomyopathy  
what is the added value?

*S. Prasad*

**14.40** Role of CMR mapping in myocardial tissue characterization

*J. Bogaert*

**15.00** 3D CMR and atlasing the heart

*D. O'Regan*

**15.20** Integrating morphology and function in predicting  
arrhythmic risk

*N. Trayanova*

**15.40** Discussion

**15.55** Coffee break

**16.25 - 17.55** **SESSION 4**

**PRESENTATION OF ONGOING RESEARCH**

*Chair: Yigal Pinto; R. Sciagrà*

**16.25** What can we learn from genotype-phenotype correlations in DCM

*U. Tayal*

- 16.35** Characterization of copy number variants in dilated cardiomyopathy patients and healthy controls  
*F. Mazarotto*
- 16.45** Re-evaluating the genetic architecture of cardiomyopathy  
*R. Walsh*
- 16.55** Carto-guided endomyocardial biopsy in the evaluation of acquired and inherited arrhythmogenic myocardial disorders  
*M. Pieroni*
- 17.05** Protean effects of Na-channels blockers in HCM, from Disopyramide to Ranolazine and Eleclazine  
*R. Coppini; C. Ferrantini*
- 17.15** Cardio Classifier - automating clinical variant interpretation for inherited cardiac conditions  
*N. Whiffin*
- 17.25** ICD burden and novel perspectives for low-energy defibrillation: insights from optogenetic studies  
*L. Sacconi*
- 17.35** Population based deep phenotyping uncovers the effects of TTNtv  
*A. de Marvao*
- 17.45** A Novel Portable Smartphone-based electrocardiograph for remote cardiovascular screening: the D-Heart Project  
*N. Maurizi*
- 17.55** Conclusions

# GENERAL INFORMATION

## **CONGRESS VENUE**

Palazzo Gondi  
Via de' Gondi, 2  
50122 Florence, Italy

## **REGISTRATION**

The registration form is available on the website:



[www.mcrconference.it](http://www.mcrconference.it)

The organizing secretariat will confirm in writing the approval of the registration.

## **CONFERENCE LANGUAGE**

English is the official language



## SPEAKERS AND CHAIRMEN

Paul Barton, *London*

Jan Bogaert, *Leuven*

Franco Cecchi, *Florence*

Elisabetta Cerbai, *Florence*

Stefano Colagrande, *Florence*

Stuart Cook, *London*

Raffaele Coppini, *Florence*

Antonio de Marvao, *London*

Carlo Di Mario, *Florence*

Cecilia Ferrantini, *Florence*

Francesca Girolami, *Florence*

Niccolò Marchionni, *Florence*

Niccolò Maurizi, *Florence*

Francesco Mazzarotto, *Florence*

Michelle Michels, *Rotterdam*

Iacopo Olivotto, *Florence*

Declan O'Regan, *London*

Antonis Pantazis, *London*

Maurizio Pieroni, *Arezzo*

Yigal Pinto, *Amsterdam*

Corrado Poggesi, *Florence*

Sanjay Prasad, *London*

Leonardo Sacconi, *Florence*

Roberto Sciagrà, *Florence*

Upasana Tayal, *London*

Natalia Trayanova, *Baltimore*

Jolanda Van Der Velden, *Amsterdam*

Roddy Walsh, *London*

James Ware, *London*

Nicky Whiffin, *London*

Magdi Yacoub, *London*

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