

PRELIMINARY
PROGRAM



CARDIOMYOPATHIES: a look at the future

Directors:

*Stuart Cook,
Iacopo Olivotto*

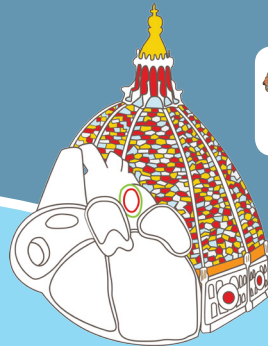
Joint Symposium
Cardiovascular Genetics and Genomics Group
National Heart and Lung Institute
Royal Brompton Hospital, London, UK
and

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

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FONDAZIONE
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MENARINI



DECEMBER 9th, 2016
Florence - Hotel Albani

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 - 15.55 **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. Mazzarotto
- 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

Hotel Albani
Via Fiume, 12
50123 Florence, Italy

REGISTRATION

The registration form is available on the website:



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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