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

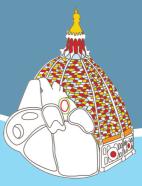
Centro di Riferimento per le Cardiomiopatie Dipartimento Cardiotoracovascolare Azienda Ospedaliera Universitaria Careggi, Firenze Dipartimento di Medicina Clinica e Sperimentale, Università di Firenze





FONDAZIONE INTERNAZIONALE 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

lacopo Olivotto

Midh

- 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. Olivotto*
- 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. 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 prerspectives 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 dè Gondi, 2 50122 Florence, Italy

REGISTRATION

The registration form is available on the website:



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 lacopo 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

PROMOTED BY



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ORGANIZING SECRETARIAT



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