III FLORENCE INTERNATIONAL SYMPOSIUM ON ADVANCES IN CARDIOMYOPATHIES

12TH MEETING OF THE EUROPEAN MYOCARDIAL AND PERICARDIAL DISEASES WORKING GROUP OF THE EUROPEAN SOCIETY OF CARDIOLOGY

Florence, Convitto della Calza
OCTOBER 22-24, 2015

Presented by:
Dept. Clinical and Experimental Medicine
University of Florence

Fondazione
A.R. Card onlus

PROMOTED BY

www.cardiomyopathies2015.com
Dear colleagues,

It is a great pleasure to invite you to the III “Florence International Symposium on Advances in Cardiomyopathies” in conjunction with the 12th Meeting of the Myocardial and Pericardial diseases Working Group of the European Society of Cardiology, to be held in Florence on 22nd-24th October 2015.

Individuals with cardiomyopathies constitute an increasingly large proportion of patients seen by most cardiologists. This class of diseases cause important and often unsolved management problems, despite rapid advances in the field. On the other hand, few other areas of cardiology have seen such an impressive contribution from basic science and translational research to the understanding of pathophysiology and clinical management, leading to exciting new developments.

As in the previous editions held in 2008 and 2012, the course is designed to constantly promote close interaction between basic science and clinical practice, and will be preceded by Minicourses with How-to sessions and Illustrative case study presentations, in an attempt to address the topic in a truly global fashion. Novel options such as next generation sequencing gene testing, innovative pharmacological approaches and the subcutaneous ICD will be discussed. It is hoped that the broad range of topics will attract the interest of a wide audience, including physicians, clinical researchers, cardiologists, pathologists, basic scientists, and young investigators.

A wide and open discussion among all the participants is welcome.

We hope that the Florence Meeting 2015 will be extremely productive, providing with an opportunity to improve our understanding of this challenging area of expertise and to stimulate further research into the field.

We look forward to welcoming you in Florence next October.

Arrivederci a Firenze !!
SCIENTIFIC COMMITTEE

Alida Caforio
Gabriele Castelli
Elisabetta Cerbai
Raffaele Coppini
Cecilia Ferrantini

Francesca Girolami
Ales Linhart
Alessandro Mugelli
Corrado Poggesi
Benedetta Tomberli

FACULTY

Yehuda Adler, Ramat Gan IL
Aris Anastasakis, Athens GR
Marco Anzini, Trieste I
Michael Arad, Ramat Gan IL
Luigi Badano, Padua I
Cristina Basso, Padua I
Barbara Bauce, Padua I
Elena Biagini, Bologna I
Maria Grazia Bongiorni, Pisa I
Robert Bonow, Chicago USA
Costanza Burgisser, Florence I
Alida Caforio, Padua I
Paolo G. Camici, Milan I
Gabriele Castelli, Florence I
Franco Cecchi, Florence I
Philippe Charron, Paris F
Raffaele Coppini, Florence I
Giulia D’Amati, Rome I
Paolo Di Donna, Asti I
Perry Elliott, London UK
Urs Eriksson, Zurich CH
Cecilia Ferrantini, Florence I
Paolo Ferrazzi, Monza I
Maria Frigerio, Milan I
Pablo García Pavia, Majadahonda ES
Francesca Girolami, Florence I
Carolyn Yung Ho, Boston USA
Maria Iascone, Bergamo I
Massimo Imazio, Turin I
Karin Klingel, Tuebingen D
Christina Maria Kotta, Milan I
Ornella Leone, Bologna I
Giuseppe Limongelli, Naples I
Ales Linhart, Prague CZ

Renzo Marcolongo, Padua I
Barry J. Maron, Minneapolis USA
Bradley A Maron, Boston USA
Martin S. Maron, Boston USA
Marco Matucci-Cerinic, Florence I
Marco Merlo, Trieste I
Luisa Mestrioni, Denver USA
James Moon, London UK
Fabio Mori, Florence I
Antonis Pantazis, London UK
Paolo Pieragnoli, Florence I
Maurizio Pieroni, Arezzo I
Yigal Pinto, Amsterdam NE
Corrado Poggesi, Florence I
Daniele Poggio, Monza I
Silvia Pradella, Florence I
Giovanni Quarta, Bergamo I
Claudio R apezzi, Bologna I
Federica Re, Rome I
Giuseppe Ricciardi, Florence I
Angelos Rigopoulos, Schweinfurt DE
Alberto Roghi, Milan I
Alessandra Rossi, Florence I
Peter Schwartz, Milan I
Pierluigi Stefano, Florence I
Jil Tardiff, Tucson USA
Gaetano Thiene, Padua I
Benedetta Tomberli, Florence I
Jolanda Van der Velden, Amsterdam NL
Paul Wijnker, Hamburg D
Magdi Yacoub, London UK
Elisabetta Zachara, Rome I
SYMPOSIUM DESCRIPTION

This is the Third Florence International Symposium on Advances in Cardiomyopathies.
The three day postgraduate Symposium represents an in depth comprehensive analysis of issues relating to diagnosis, classification, genetic evaluation, risk stratification and contemporary management of different forms of cardiomyopathies, myocarditis and pericardial diseases. The Symposium will be presented by international experts in the field and preceded by minicourses, addressing practical issues related to the field in an interactive and informal atmosphere. Accepted abstracts will be exhibited as Posters. Young Investigator Awards and prizes will be presented to the best 3 abstracts, as selected by the Scientific Committee. The format encourages audience participation and full interaction among participants, as well as integration among clinicians and scientists of all ages.

COURSE OBJECTIVES

- Discuss optimal diagnostic procedures
- Clinical evaluation and follow-up
- Interpretation of genetic studies
- Pathophysiology at organ, cellular and molecular levels
- Prognostic indicators and risk factors
- Causes and management of arrhythmias and sudden death
- Modern management strategies and future directions for research

SCIENTIFIC INFORMATION

F. Cecchi, I. Olivotto, A. Caforio

ORGANIZING SECRETARIAT

MCR Conference Srl
Via Finlandia, 26 - 50126 Florence, Italy
Ph. 0039 055 4364475
info@cardiomyopathies2015.com
www.mcrconference.it

#MCRCONFERENCE
SCIENTIFIC PROGRAM

DAY 1 - THURSDAY, OCTOBER 22nd

MINICOURSES

08.30 Registration

ROOM 1

Clinical electrophysiology and perioperative care

09:00 - 11:00 Standard and ambulatory ECG
E. Biagini, F. Cecchi, C. Rapezzi

11:00 - 11:30 Coffee break

11:30 - 13:30 ICD and CRT optimization and control
P. Di Donna, P. Pieragnoli, G. Ricciardi

13:30 - 14:30 Lunch

14:30 - 16:30 Perioperative care for myectomy candidates with HCM
D. Poggio, F. Re, A. Rossi, E. Zachara

16:30 - 16:45 Coffee break

ROOM 2

Pathology, genetics and basic science

09:00 - 11:00 Pathology
C. Basso, G. D’Amati, O. Leone

11:00 - 11:30 Coffee break

11:30 - 13:30 Genetics
F. Girolami, M. Iascone, C. M. Kotta, B. Tomberli

13:30 - 14:30 Lunch

14:30 - 15:30 Molecular physiology of the heart made simple
C. Ferrantini, J. Van der Velden
15:30 - 16:30  Pharmacology: molecular targets and available agents  
*R. Coppini, A. Mugelli*

16:30 - 16:45  Coffee break

**ROOM 3**

**Clinical evaluation**

09:00 - 11:00  Clinical Profiles  
*B. Bauce, G. Castelli, G. Limongelli, M. Merlo*

11:00 - 11:30  Coffee break

11:30 - 13:30  Multimodality Imaging: ECHO and CMR  
*M. Anzini, M. Pieroni, S. Pradella, G. Quarta*

13:30 - 14:30  Lunch

14:30 - 16:30  Exercise Echocardiography and Cardiopulmonary test  
*C. Burgisser, F. Mori, A. Pantazis*

16:30 - 16:45  Coffee break

**ROOM 4**

08:00 - 10:00  Nucleus Meeting of the ESC WG on myocardial and pericardial disease

10:00 - 10:30  Coffee break

10:30 - 16:30  Meeting of WG Task Force on Myocarditis in systemic autoimmune disease Position Paper
<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 16:45 - 20:00 | **SESSION 1**  
Inaugural Session  
*Chairmen: R. Bonow, F. Cecchi*  
Official opening: welcome by Scientific Directors and by the ESC Myocardial and Pericardial Disease WG Chair (A. Caforio) |
| 16:45 - 17:00 | Filling the evidence gap in Cardiomyopathies: classification and guidelines  
P. Elliott |
| 17:00 - 17:25 | Clinical evaluation, geno +/-pheno - and the issue of overdiagnosis  
C. Y. Ho |
| 17:25 - 17:50 | Impact of Next Generation Sequencing revolution on clinical practice  
P. Charron |
| 18:15 - 18:40 | Role of multi-modality imaging approach  
L. Badano |
| 18:40 - 19:05 | The dawn of evidence-based, disease-specific treatment  
I. Olivotto |
| 19:05 - 19:30 | **KEYNOTE LECTURE**  
The Burden of Neglected Diseases  
R. Bonow |
| 19:30 - 20:00 | **KEYNOTE LECTURE**  
The Heart in Leonardo da Vinci  
G. Thiene |
| 20:00 | Welcome cocktail |
## PLENARY ROOM

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>08:30 - 08:55</td>
<td>How the cardiomyocyte works</td>
<td>C. Poggesi</td>
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<td>08:55 - 09:20</td>
<td>Contractile dysfunction</td>
<td>J. Tardiff</td>
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<td>09:20 - 09:45</td>
<td>Energetic considerations</td>
<td>J. Van Der Velden</td>
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<td>09:45 - 10:10</td>
<td>Expression of MYBPC3 mutations in engineered heart tissue</td>
<td>P. Wijnker</td>
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<td>10:10 - 10:25</td>
<td>Selected abstract PRDM16 - a novel key Player in cardiomyopathy</td>
<td>S. Klaassen</td>
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<td>10:25 - 10:40</td>
<td>Selected abstract</td>
<td>M. Pioner</td>
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## PARALLEL SESSION

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<thead>
<tr>
<th>Time</th>
<th>Session</th>
<th>Speaker</th>
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<tbody>
<tr>
<td>08:30 - 08:55</td>
<td>New definition and clinical implications</td>
<td>Y. Pinto</td>
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<td>08:55 - 09:20</td>
<td>Diagnostic work-up</td>
<td>A. Linhart</td>
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<tr>
<td>09:20 - 09:45</td>
<td>Aetiology based management for familial/genetic DCM</td>
<td>P. Charron</td>
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<tr>
<td>09:45 - 10:10</td>
<td>Aetiology-based management for inflammatory DCM</td>
<td>A. Caforio</td>
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<tr>
<td>Time</td>
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</table>
| 10:10 - 10:25 | **Selected abstract** Genetics in noncompaction cardiomyopathy  
*J. van Waning*                                         |
| 10:25 - 10:40 | **Selected abstract** Migalastat Reduces Left Ventricular Mass Index in Fabry Patients  
Naïve to ERT and Previously Treated With ERT  
*D. Bichet*                                           |
| 10:40 - 11:10 | Coffee break                                                                              |

**PLENARY ROOM**

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<th>Time</th>
<th>Event</th>
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| 11:10 - 13:05 | **SESSION 3**  
CMR use and misuse: from form and function to tissue characterization, perfusion and metabolism  
*Chairmen: P. G. Camici, A. Roghi* |

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<tr>
<th>Time</th>
<th>Event</th>
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</table>
| 11:10 - 11:35 | Adherence to Pathological substrates  
*C. Basso*                                         |
| 11:35 - 12:00 | T1 Mapping and perfusion  
*J. Moon*                                             |
| 12:00 - 12:25 | Tissue characterization and metabolism  
*A. Roghi*                                         |
| 12:25 - 12:40 | **Selected abstract** Myocardial fibrosis and reverse remodelling in nonischaemic dilated cardiomyopathy: insights from cardiovascular magnetic resonance  
*A. Barison*                                         |
| 12:40 - 12:55 | **Selected abstract** Atrial diastolic function in HCM Patients: a CMR study  
*G. Todiere*                                         |
| 12:55 - 13:05 | What next:  
*A. Roghi*                                         |
## PARALLEL SESSION

**11:10 - 13:05**  
**CONCURRENT SESSION 3**  
**The challenge of myocarditis**  
*Chairmen: A. Caforio, K. Klingel*

- **11:10 - 11:35**  
  Clinical presentation and diagnosis: the 2013 Task Force criteria revisited  
  *A. Caforio*

- **11:35 - 12:00**  
  Role of viruses: from molecular diagnosis to clinical implications  
  *K. Klingel*

- **12:00 - 12:25**  
  Myocardial involvement in systemic autoimmune diseases  
  *M. Matucci-Cerinic*

- **12:25 - 12:50**  
  Immunosuppression in myocarditis: the clinical immunologist’s point of view  
  *R. Marcolongo*

- **12:50 - 13:05**  
  What next:  
  *U. Eriksson*

**13:05 - 14:30**  
Lunch

## PLENARY ROOM

**14:30 - 19:00**  
**SESSION 4**  
**Hypertrophic cardiomyopathy: new tools for Risk stratification and Sudden Death prevention**  
*Chairmen: M. Arad, A. Linhart*

- **14:30 - 14:55**  
  Individual risk assessment in clinical practice  
  *F. Cecchi*

- **14:55 - 15:20**  
  Which role for genetic testing?  
  *P. Elliott*

- **15:20 - 15:45**  
  The added value of CMR in risk stratification  
  *M. S. Maron*

- **15:45 - 16:10**  
  ICD, S-ICD, CRT and CRT-D: choosing the right device and minimizing complications  
  *M. G. Bongiorni*

- **16:10 - 16:35**  
  Role of pharmacological treatment and additional interventions  
  *C. Rapezzi*
<table>
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<tr>
<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>16:35 - 16:45</td>
<td>What next:</td>
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<td></td>
<td><em>A. Linhart</em></td>
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<tr>
<td>16:45 - 17:05</td>
<td>Coffee break</td>
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<tr>
<td>17:05 - 17:30</td>
<td>Lifestyle and sport with and without ICD for cardiomyopathy patients</td>
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<td></td>
<td><em>A. Anastasakis</em></td>
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<td>17:30 - 17:45</td>
<td>Selected abstract</td>
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<td>Exploring the cardiac genetic component of sudden infant death syndrome through next-generation sequencing analysis of 25 cardiomyopathy- and arrhythmia-susceptibility genes</td>
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<td><em>M. Torchio</em></td>
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<td>17:45 - 18:00</td>
<td>Selected abstract</td>
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<td>Impact of next generation sequencing on yield of genetic diagnosis in patients with hypertrophic cardiomyopathy</td>
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<td><em>S. Bardi</em></td>
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<td>18:00 - 19:00</td>
<td>KEYNOTE LECTURE</td>
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<td>How modifier genes and SNP may explain different clinical presentation and outcome:</td>
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<td>In Long QT syndrome</td>
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<td><em>P. Schwartz</em></td>
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<td>In Cardiomyopathies</td>
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<td><em>L. Mestroni</em></td>
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<td>Time</td>
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<td>08:30 - 09:45</td>
<td>SESSION 5</td>
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<td>The 2015 pericardial guidelines: an overview</td>
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<td>Chairmen: Y. Adler, P. Charron</td>
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<tr>
<td>08:30 - 08:55</td>
<td>Clinical and diagnostic work-up</td>
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<td>L. Badano</td>
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<td>08:55 - 09:20</td>
<td>Evidence-based medical therapy</td>
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<td></td>
<td>M. Imazio</td>
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<td>09:20 - 09:30</td>
<td>What next:</td>
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<td>Y. Adler</td>
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<td>09:30 - 09:45</td>
<td>Selected abstract</td>
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<tr>
<td></td>
<td>Biopsy-proven myocarditis: gender differences and serum autoantibody markers</td>
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<td>of dismal prognosis</td>
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<td>M. Testolina</td>
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<tr>
<td>09:45 - 10:00</td>
<td>Young Investigator Awards</td>
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<td>10:00 - 10:20</td>
<td>Coffee break</td>
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<td>10:20 - 13:00</td>
<td>SESSION 6</td>
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<tr>
<td></td>
<td>Cardiac surgery and management of advanced heart failure</td>
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<td>Chairmen: M. Frigerio, P. Stefano</td>
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<td>10:20 - 10:45</td>
<td>Extended myectomy, mitral apparatus remodeling for HOCM and midventricular</td>
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<td>obstruction; why, when and how</td>
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<td>P. Ferrazzi</td>
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<tr>
<td>10:45 - 11:10</td>
<td>Assessment and management of pulmonary hypertension in cardiomyopathies</td>
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<td>B. A Maron</td>
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<tr>
<td>11:10 - 11:35</td>
<td>Medical treatment, cardiac surgery, mitral clip and ventricular assist devices for DCM</td>
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<td></td>
<td>M. Frigerio</td>
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<td>11:35 - 12:00</td>
<td>Indications and efficacy of atrial fibrillation ablation and CRT in patients</td>
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<td>with DCM and HCM</td>
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<td>M. G. Bongiorni</td>
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<td>12:00 - 12:25</td>
<td>From cardiac transplant to regenerative medicine: a look at the future</td>
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<td>M. Yacoub</td>
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<td>12:25 - 12:45</td>
<td>KEYNOTE LECTURE</td>
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<td>HCM then and now: how 50 years of clinical research have shaped it into a</td>
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<td>treatable disease</td>
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<td>B. J. Maron</td>
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<tr>
<td>12:45 - 13:00</td>
<td>Conclusion and final remarks</td>
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</tbody>
</table>
CONGRESS VENUE
Convitto della Calza
Piazza della Calza, 6
50125 Florence, Italy
www.calza.it

A location that is unique for its fascination, atmosphere, art and history. The ancient 14th-century Hospital dedicated to Saint John the Baptist is located in the heart of the city. It is a combination of a 16th-century cloister and halls frescoed with masterpieces such as Franciscigio’s Last Supper, with very modern meeting rooms.

ARRIVING BY PLANE
The international airport “Amerigo Vespucci” is located in the north-west suburban area of Florence, only 6 km from the city center. There are frequent direct flights to all the most important European cities as well as convenient intercontinental connections.

The city center can be easily reached:
• by taxi
• with the Ataf/ Sita “Vola in Bus” shuttle service (approx. 15/20 minutes), connecting the airport to the main train station of Santa Maria Novella. From the station, you can take a taxi or one of the following ATAF buses: 36 (to Mulino Nuovo) or 37 (to Galluzzo/Tavarnuzze) and get off in Piazza Della Calza.

For any other info:
Florence Airport Company:
Ph. +39.055.3061300 / +39.055.30615 - www.aeroporto.firenze.it/en
Taxi Companies: Ph. +39.055.4242 - +39.055.4390
ARRIVING BY TRAIN
The main train station of Santa Maria Novella (an interchange point of Florence public transportation) is located just a few steps (5 minutes walk) from the historical center of Florence. The new high speed trains connect the central station to several European cities, as well as all the major Italian cities such as Milan, Naples, Rome, Venice etc.

From Santa Maria Novella train station you can take a taxi or one of the following ATAF buses: 36 (to Mulino Nuovo) or 37 (to Galluzzo/Tavarnuzze) and get off in Piazza Della Calza.

For any other info
Trenitalia: www.trenitalia.com - Italo: www.italotreno.it

ARRIVING BY CAR
Florence is well connected to the main Italian cities through an efficient highway network, which allows an easy access to the city center.
From the A1 Highway Autostrada del Sole you can exit at “Firenze Impruneta” and follow the sign “Centro/Piazzale di Porta Romana”, pass through the ancient gate and you will arrive in Piazza della Calza. Next to the congress venue there is a car parking.

CONFERENCE LANGUAGE
English is the official language

POSTERS
Posters will be on display during the whole period of scientific session. Young Investigators Awards and prize will be delivered to the best 3 abstracts presented.