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**“TWELFTH INTERNATIONAL SYMPOSIUM
ON STEM CELL THERAPY
AND CARDIOVASCULAR INNOVATIONS”**

Madrid (Spain), 28th and 29th May 2015

**Aula Magna. Pabellón Docente
Hospital General Universitario Gregorio Marañón
C/ Doctor Esquerdo 46
28007 Madrid**

PRELIMINARY AGENDA



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3. DIRECTION

DIRECTION

Francisco Fernández-Avilés

Servicio de Cardiología

Hospital General Universitario Gregorio Marañón (Madrid, Spain)

CO-DIRECTION

M^a Eugenia Fernández Santos

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Hospital General Universitario Gregorio Marañón (Madrid, Spain)

Bernard Gersh

Mayo Clinic (Rochester, USA)

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Centre for Cardiovascular Biology & Medicine (London, United Kingdom)

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Instituto de Ciencias del Corazón (ICICOR)

Hospital Clínico-Universitario de Valladolid (Valladolid, Spain)

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Doris A. Taylor

Texas Heart Institute (Houston, USA)

Andreas W. Zeiher

University of Frankfurt (Frankfurt, Germany)

TECHNICAL DIRECTION

Ana Fernández - Baza

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THURSDAY, 28th May 2015

(7.45 – 8.30)

REGISTRATION

(8.30 – 9.00)

WELCOMING

(9.00 – 10.30)

**OPENING LECTURES -
CHALLENGES IN REGENERATIVE CARDIOVASCULAR MEDICINE**

Chairs	Gerasimos Filippatos John Martin	(Athens, Greece) (London, UK)
9.00	Learning from development Nadia Rosenthal	(Melbourne, Australia)
9.30	Challenging targets for cardiac stem cell therapy. The cell, the niche, anything else? André Terzic	(Rochester, USA)
10.00	Is there a role for cardiac regeneration in advanced heart disease? Overcoming frontiers to move forward. Valentin Fuster	(New York, USA)

(10.30 – 12.00)

CARDIOVASCULAR REGENERATIVE MEDICINE. CRISIS, WHAT CRISIS?

Chairs	Clive Cookson. Science Editor Wall Street Journal Morrie Ruffin. Alliance for Regenerative Medicine.	(London, UK) (Washington, USA)
Discussants		
10.30 – 10.45	Importance of the cells. What are we using? Piero Anversa	(Boston, USA)
10.45 – 11.00	Local milieu in cardiac regeneration. Barriers and opportunities in acute and chronic settings Philippe Menasché	(Paris, France)



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- 11.00 – 11.15 Lights and shadows of clinical trials. Should we continue? In which setting? How?
Bernard Gersh (Rochester, USA)
- 11.15 – 11.30 Cardiac regenerative medicine beyond scientists and clinicians. Are we doing well?
John Martin (London, UK)
- 11.30 – 12.00 Panel Discussion

12.00 – 12.30 Coffee Break

(12.30 – 14.10)

WHAT'S NEW IN STEM CELL THERAPY FOR CARDIAC REPAIR?

Chairs

Discussants

- 12.30 – 12.45 Cardiac valve repair. Beyond myocardium.
Amir Lerman (Rochester, USA)
- 12.45 – 13.00 What's new in induced pluripotent stem cells.
Eric A. Adler (San Diego, USA)
- 13.00 – 13.15 Combinations of stem cells. Which ones to choose?
Joshua Hare (Miami, USA)
- 13.15 – 13.30 Tissue bioengineering. Stem cell-loaded tissue-engineered patches.
Philippe Menasché (Paris, France)
- 13.30 – 13.45 Stemless biological therapies for cardiac repair.
Stefanie Dimmeler (Frankfurt, Germany)
- 13.45 – 14.00 Role of cardiopoiesis in the second-generation stem cells' era.
Almudena Martínez-Fernández (Rochester, USA)
- 14.00 – 14.15 The role of the extracellular matrix in regulating stem cell fate.
Wilhelm T. S. Huck (Nijmegen, The Netherlands)



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14.15 – 14.45 Panel Discussion

14.45 – 15.00

Lunch and Poster Exhibition

Chairman and jury Philippe Menasche (Paris, France)
Felipe Prosper (Pamplona, Spain)

In this “Poster Exhibition” research teams involved in the topic of the Symposium will have the opportunity of presenting selected parts of their work to the audience

A Poster Review Committee will select which the best posters of the session are. At the end of the session, the verdict will be communicated. The winner of the Posters Awards will have to present their work (oral presentation) the following day in the morning, in the session named “Best Poster Presentation”, when they will receive their prize

For more information regarding Poster Exhibition and Poster Awards, please contact us via e-mail at posters@cardiovascularcelltherapy.com

(15.00 – 16.30)

THIS YEAR WE DEBATE

Chairs Bernard Gesh (Rochester, USA)
Juan Carlos Izpisua (La Jolla, USA)

15.00 – 15.45 The preclinical debate: cardiac stem cells.

1. Cardiac Stem Cells. Are you really cardiac?
Jefferin Molkentin (Cincinnati, Ohio)
2. Who else can you be?
Bernardo Nadal-Ginard (London, UK)

15.45 – 16.15 The bioengineering debate: matrixes and scaffolds.

1. Bioartificial matrixes. Available and versatile.
Felipe Prosper (Pamplona, Spain)
2. Cadaveric matrixes. Native myocardial architecture is mandatory.
Doris Taylor (Houston, USA)



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16.15 – 16.45 The clinical debate: meta-analyses.

1. Meta-analyses and systematic reviews' results on hold. Factual discrepancies.
Alexandra N. Nowbar (London, UK) .
2. Meta-analyses and systematic reviews' results are valid and still offering evidences.
Enca Martí Rendon (Oxford, UK)

(16.45 – 18.15)

DISCOVERIES AND INVENTIONS

- 16.45 – 17.00 Bioprosthetic Carmat Total Artificial Heart: from a dream to the first-in-human implantation.
Christian Latremouille (Paris, France)
- 17.00 – 17.15 High-density optical mapping in a monolayer of iPSC-derived cardiomyocytes as a tool for understanding arrhythmic disorders.
Andreu M. Climent (Madrid, Spain)
- 17.15 – 17.30 Genes and cells to fight against pulmonary hypertension.
Duncan Stewart (Ottawa, Canada)
- 17.30 – 17.45 Patient-specific stem cell manufacturing for the development of dedicated cardiovascular drugs.
Joseph Wu (Los Angeles, USA)
- 17.45 – 18.15 Panel Discussion

(18.30 – 20.00)

EDUCATIONAL WORKSHOPS



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FRIDAY, 29th May 2015

(9:00 – 9.30)

BEST POSTERS PRESENTATION

(9.30 – 11.00)

RECENT CONTRIBUTIONS PRESENTED BY YOUNG INVESTIGATORS

11.00 – 11.30 Coffee Break

(11.30 – 13.00)

LATE BREAKING CLINICAL TRIALS

Chairs

Discussants

- 11.30 – 11.45 First-in-man experience with transendocardial injections of MSC in patients with idiopathic dilated cardiomyopathy.
The MYOCYTE trial
Ricardo Sanz (Madrid, Spain)
- 11.45 – 12.00 Intracoronary CD34+ bone marrow-derived stem cells for STEMI.
Final results of the PreSERVE-AMI trial
Douglas Losordo (Boston, USA)
- 12.00 – 12.15 Allogeneic mesenchymal progenitor cells for chronic heart failure.
The REVASCOR clinical program
Emerson Perin (Houston, USA)
- 12.15 – 12.30 First-in-human trial with intracoronary infusion of allogeneic cardiac stem cells in the STEMI setting. The CAREMI trial
Raquel Yotti (Madrid, Spain)
- 12.30 – 13.00 Panel discussion



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13.00 – 13.30 Break

(13.30– 14.00)

SPECIAL LECTURE

Chair

Interspecies genetic manipulation for organ manufacturing. What about the heart?

Juan Carlos Izpisua (La Jolla, USA)

(14.00 – 14.30)

CLOSING SESSION. SECOND MADRID CARDIAC REGENERATION AWARDS.

Chair

John Martin
Rafael Matesanz

(London, UK)
(Madrid, Spain)

(14.30)

ADJOURN

Francisco Fdez-Aviles (Madrid, Spain)