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**“FIFTEENTH INTERNATIONAL SYMPOSIUM  
ON CARDIOVASCULAR REGENERATION AND REPAIR”**

**Madrid (Spain), 10<sup>TH</sup> and 11<sup>th</sup> May 2018**

**Aula Magna. Pabellón Docente  
Hospital General Universitario Gregorio Marañón  
C/ Ibiza 43  
28007 Madrid**

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Scientific Programme jointly organised with the  
ESC Working Group on Cardiovascular Regenerative and Reparative Medicine



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### **3. DIRECTION**

#### **DIRECTION**

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THURSDAY, 10<sup>th</sup> May 2018

**(7.45 – 8.30)**

**REGISTRATION**

**(8.30 – 9.15)**

**WELCOMING**

**(9.15 – 9.45)**

**OPENING KEYNOTE LECTURE**

**The renewal of the heart. Dynamics and curative applications**

**Chair** Francisco Fdez-Aviles (Madrid, Spain)  
**Speaker** Piero Anversa (Lugano, Switzerland)

**(10.00 – 11.30)**

**UNDERSTANDING THE MECHANISMS OF CV REGENERATION**

**Chairs** Stefan Janssens (Leiden, Belgium)  
Doris Taylor (Houston, USA)  
**Discussants** Rosalinda Madonna (Chieti, Italy)  
Mark Sussman (San Diego, USA)  
Bernardo Nadal-Ginard (London, UK)

**10.00 – 10.12 (12 min)**

**Understanding postnatal cardiomyocytes proliferation**  
Jose Krieger (Sao Paulo, Brazil)

**10.12 – 10.24 (12 min)**

**Cell reprogramming can reactivate myocardial repair**  
J. C. Izpisua (La Jolla, USA)

**10.24 – 10.36 (12 min)**

**Role of extracellular components in the myocardial regeneration mechanisms**  
Eldad Tzhaor (Rehovot, Israel)

**10.36 – 10.48 (12 min)**

**Replacement or local activation: paracrine mechanisms of myocardial repair**  
Lina Badimon (Barcelona, Spain)

**10.48 – 11.00 (12 min)**

**Immunological barriers for cell-based myocardial replacement**  
Dominique Charron (Paris, Spain)

**11.00 – 11.30**

**Discussion**

**11.30 – 12.00**

**Coffee Break**



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**(12.00 – 13.30)**

**FROM MECANISMS TO CURE. LESSONS FROM TRANSLATIONAL SCIENCE**

<b>Chairs</b>	Stefan Janssens Joshua Hare	(Leiden, Belgium) (Miami, USA)
<b>Discussants</b>	Thomas Povsic Steven Chamuleau Anthony Mathur	(Durham, USA) (Utrecht, The Netherlands) (London, UK)

<b>12.00 – 12.12 (12min)</b>	<b>Repeated Cell Therapy: A Paradigm Shift Whose Time Has Come</b> Roberto Bolli	(Louisville, USA)
<b>12.12 – 12.24 (12 min)</b>	<b>Regeneration strategies in the modification of the arrhythmogenic substrate</b> Angel Arenal	(Madrid, Spain)
<b>12.24 – 12.36 (12 min)</b>	<b>Stem Cell Therapy in the presbycardia nightmare</b> Lilian Grigorian	(Madrid, Spain)
<b>12.36 – 12.48 (12 min)</b>	<b>Cell youth determines the efficiency of myocardial repair</b> Felix Engel	(Erlangen, Germany)
<b>12.48 – 13.00 (12 min)</b>	<b>Engineering tools for heart tissue repair.</b> Wolfram H. Zimmerman	(Göttingen, Germany)
<b>13.00 – 13.30</b>	<b>Discussion</b>	

**(13.30 – 14.10) Lunch and Poster Exhibition**

**(14.15 – 14.30) Posters Award - Winners communication**

<b>Chairs</b>	Philippe Menasché Adolfo Villa	(Paris, France) (Madrid, Spain)
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**(14.30 – 16.00)**

**FROM ANIMALS TO HUMAN HEALTH. LESSONS FROM CLINICAL SCIENCE**

<b>Chairs</b>	Jens Kastrup Emerson Perin	(Copenhagen, Denmark) (Houston, USA)
<b>Discussants</b>	Douglas Losordo Antoni Bayes-Genis Anthony Mathur	(Chicago, USA) (Barcelona, Spain) (London, UK)

**14.30 – 14.42 (12 min)**      **Stem cell therapy in the vascular arena. Insights from clinical studies**  
Timothy Henry      (Los Angeles, USA)

**14.42 – 14.54 (12 min)**      **G-CSF in STEMI: results from the STEMAMI OUTCOME CMR Sub-study**  
Giulio Pompilio      (Milan, Italy)

**14.54 – 15.06 (12 min)**      **The effects of GCS-F in patients with a large anterior STEMI: a 10-year follow-up of the RIGENERA study**  
Domenico D'Amario      (Rome, Italy)

**15.06 – 15.18 (12 min)**      **Randomized double-blind trial to evaluate the Safety and Efficacy of Allogeneic cardiac stem cells in STEMI. (The CAREMI trial)**  
Ricardo Sanz      (Madrid, Spain)

**15.18 – 15.30 (12 min)**      **Allogenic cardiac stem cells in the context of ischemic and non-ischemic myocardial damage and dysfunction**  
Raj Makkar      (Los Angeles, USA)

**15.30 – 16.00**      **Discussion**

**(16.00 – 18.15)**

**THIS YEAR WE DEBATE AGAIN**

<b>Chairs</b>	Pedro L. Sánchez James T. Willerson	(Salamanca, Spain) (Houston, USA)
<b>Discussants</b>	Piero Anversa Doris Taylor Douglas W. Losordo	(Lugan, Switzerland) (Houston, USA) (Chicago, USA)



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**16.00 – 16.45**

**Does adult cardiomyocytes renewal matters?**

**16.00 – 16.12 (12 min)** **No, it is not sufficiently significant.**  
Olaf Bergmann (Stockholm, Sweden)

**16.12 – 16.24 (12 min)** **Yes, but we have to stimulate it**  
Mark Sussman (San Diego, USA)

**16.24 – 16.45** **Discussion**

**16.45 – 17.30**

**Should we forget cells and move to cell-free products?**

**16.45 – 16.57 (12 min)** **Cells are still the answer**  
André Terzic (Minnesota, USA)

**16.57 – 17.09 (12 min)** **Let's move to cell free products**  
Susmita Sahoo (New York, USA)

**17.09 – 17.30** **Discussion**

**17.30 – 18.15**

**Jumping to the clinics. Do we need the industry?**

**17.30 – 17.42 (12 min)** **No, only academia should play.**  
John Martin (London, UK)

**17.42 – 17.54 (12 min)** **Yes, industry partnership is essential.**  
Douglas W. Losordo (Chicago, USA)

**17.54 – 18.15** **Discussion**



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**FRIDAY, 11th May 2018**

**(9:00 – 9.30) BEST POSTERS PRESENTATION**

**Chairs** Philippe Menasché (Paris, France)  
Adolfo Villa (Madrid, Spain)

**(9.30 – 10.30) RECENT CONTRIBUTIONS PRESENTED BY YOUNG INVESTIGATORS**

**Chairs** Philippe Menasché (Paris, France)  
Adolfo Villa (Madrid, Spain)

**10.30 – 11.00 Coffee Break**

**(11.00 –13.00) THE FIELD IN PERSPECTIVE**

(Joint Session organised with the Working Group on Cardiovascular Regenerative and Reparative Medicine -CARE- of the European Society of Cardiology)

**Chairs** Francisco Fdez-Aviles (Madrid, Spain)  
James T. Willerson (Houston, USA)  
**Discussants** Philippe Menasché (Paris, France)  
Javier Bermejo (Madrid, Spain)  
André Terzic (Rochester, USA)

**11.00 – 11.15 Advanced therapies regulation framework. Differences around the world**  
Sol Ruiz (Madrid, Spain)

**11.15 – 11.30 Engineering cardiac muscle tissue. A maturing field of research**  
Tomas Eschenhagen (Hamgurg, Germany)

**11.30 – 11.45 Phenotyping heart failure in the assessment of advanced therapies**  
Anthony DeMaria (San Diego, USA)

**11.45 – 12.00 Rethinking regeneration and repair medicine for Heart Failure**  
HFA representative



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**12.00 – 12.30**                      **Discussion**

**12.30 – 13.00**                      **Break**

**(13.00 – 13.30)      CLOSING KEYNOTE LECTURE**

**Success and pitfalls in the cardiovascular failure battle. How long does it take?**

**Chair**                                      Arturo Fernandez-Cruz (Madrid, Spain)

**Speaker**                                  John Martin                                  (London, UK)

**(13.30 – 14.00) FIFTH MADRID CARDIAC REGENERATION AWARDS**

**(14.00)                      ADJOURN**

Francisco Fdez-Aviles                  (Madrid, Spain)