BASIC AND TRANSLATIONAL RESEARCH SYMPOSIUM IN CARDIO-ONCOLOGY

CNIC SEPTEMBER, 27th

GLOBAL CARDIO ONCOLOGY SUMMIT 2023

MADRID SEPTEMBER, 27-29th
BASIC AND TRANSLATIONAL RESEARCH IN CARDIO-ONCOLOGY SYMPOSIUM

DATE: Wednesday September 27th, 2023

VENUE: CNIC - Centro Nacional de Investigaciones Cardiovasculares Carlos III
        C/ Melchor Fernández Almagro 3, 28029 Madrid

SCIENTIFIC COMMITTEE

Javier de Castro
Raúl Córdoba
Susan Dent
Borja Ibáñez
Bonnie Ky
Teresa López-Fernández
Alexander Lyon
Fadi N. Salloum
Carlo Gabriele Tocchetti
### September 27th, 2023

<table>
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<th>Time</th>
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<tr>
<td>11:30 – 12:15</td>
<td>Brunch &amp; Registration</td>
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<td>12:20 – 12:45</td>
<td>WELCOME</td>
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| 12:45 – 13:30| OPENING SESSION: Bridging the knowledge gap in cardio-oncology  
Chairs: Bonnie Ky, Carlo Gabriele Tocchetti |
| 12:45 - 13:00| Building bridges from cells to humans to prevent cardiovascular toxicities | Fadi N. Salloum |
| 13:00 - 13:15| New mitochondrial therapies in cardio-oncology | Richard Kitsis |
| 13:15 - 13:25| Discussion                                                             |
| 13:30 – 15:10| International collaborative efforts in the field of anthracycline cardiotoxicity  
Horizon 2020 HEALTH: RESILIENCE Project  
Chairs: Teresa López-Fernández, Raúl Córdoba |
| 13:35 - 13:45| Remote ischemic conditioning as a novel therapy to prevent anthracycline cardiotoxicity: from mechanism to therapies | Borja Ibáñez |
| 13:45 - 13:55| Damage to microcirculation in subclinical anthracycline cardiotoxicity | Carlos Galán-Arriola |
| 13:55 - 14:05| Emerging data in cardiac imaging to detect early myocardial damage | Inés García Lunar |
| 14:05 - 14:15| Discussion                                                             |
| 14:20 - 14:30| Transcriptional and Metabolic Adaptation to Cardiotoxic Doxorubicin | Alessandra Ghigo |
| 14:30 - 14:40| Role of mitochondrial and cellular iron in doxorubicin-mediated cardiotoxicity | Hossein Ardehali |
| 14:40 - 14:50| Circadian clock genes and doxorubicin cardiotoxicity | Melanie Ricke-Hoch |
| 14:50 - 15:00| Novel insights into cardioprotection of anthracycline cardiotoxicity from human iPSC models | Paul Burridge |
| 15:00 - 15:10| Discussion                                                             |
September 27th, 2023

**15:15 – 16:00**

**TRACK 1: Mechanisms in cardio-oncology**  
Chairs: Susan Dent, Anna González Neira

- **15:15 - 15:25** Exploring the effects of heart failure on cancer pathogenesis | **Rudolf de Boer**
- **15:25 - 15:35** The role of senescence in cardio-oncology | **Pietro Ameri**
- **15:35 - 15:45** Genetics in cancer and heart failure | **Aarti Asnani**
- **15:45 - 15:55** Clonal hematopoiesis, cancer, and cardiovascular diseases | **José Javier Fuster**
- **15:55 - 16:05** Discussion

**16:00 – 16:30**  
COFFEE BREAK

**16:30 – 17:25**

**TRACK 2: Research in inflammation and immunotherapy**  
Chairs: Javier de Castro, María Fernández Velasco

- **16:30 - 16:40** Pathophysiology of immune checkpoint inhibitor-induced myocarditis | **Pilar Martín**
- **16:40 - 16:50** Preclinical animal models of ICI-associated myocarditis | **Wouter Meijers**
- **16:50 - 17:00** Immune checkpoint inhibitor therapy and atherosclerosis | **Daniel Engelbertsen**
- **17:00 - 17:10** How basic research can inform clinical strategies in immunotherapy-related toxicity | **Tomas Neilan**
- **17:10 - 17:25** Discussion

**17:30 – 18:15**

**TRACK 3: Mechanisms of vascular, arrhythmic and metabolic toxicities**  
Chairs: Michael Fradley, Pilar Sepulveda

- **17:30 - 17:40** Cardiac metabolism and cancer therapies | **Tienusch Rassaf**
- **17:40 - 17:50** Cancer therapy related arrhythmic risk | **José Ángel Cabrera**
- **17:50 - 18:00** Modeling cardiotoxicity in 3D cardiac tissue constructs | **Peter van der Meer**
- **18:00 - 18:10** 3D human models of human myocardium as advanced tools for research in cardio-oncology | **Manuel M. Mazo Vega**
- **18:10 - 18:25** Discussion

**18:30**  
CLOSING REMARKS | **Borja Ibáñez**
BASIC AND TRANSLATIONAL RESEARCH IN CARDIO-Oncology Symposium

The art of bringing all together

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