

BASIC AND TRANSLATIONAL RESEARCH SYMPOSIUM IN CARDIO-ONCOLOGY

CNIC SEPTEMBER, 27th



GLOBAL
CARDIO ONCOLOGY
SUMMIT 2023

MADRID SEPTEMBER, 27-29th





BASIC AND TRANSLATIONAL RESEARCH SYMPOSIUM IN CARDIO-ONCOLOGY

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MADRID
SEPTEMBER, 27th



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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



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September 27th, 2023

- 11:30 – 12:15** Brunch & Registration
- 12:20 – 12:45** WELCOME | **Valentin Fuster**
- 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
- Leducq Network of Excellence**
Chairs: Rodolphe Fischmeister, Alexander Lyon
- 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



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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

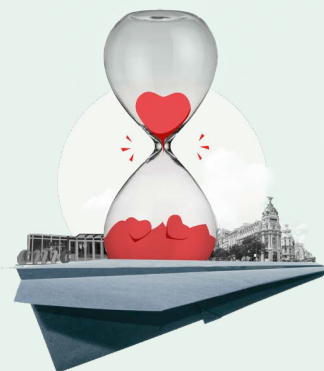
3D human models of human myocardium as advanced tools for research in cardio-oncology | **Manuel M. Mazo Vega**

18:10 - 18:25

Discussion

18:30

CLOSING REMARKS | **Borja Ibáñez**



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