

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

The art of bringing all together

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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12:00 – 12:30 Lunch (provided) & Registration

12:40 – 12:45 WELCOME | **Javier de Castro, Raúl Córdoba, Teresa López Fernández, Borja Ibáñez**

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 - 13:30 Discussion

13:35 – 15:00 **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 Discussion

Leducq Network of Excellence

Chairs: Rodolphe Fischmeister, Alexander Lyon

14:10 - 14:20 Transcriptional and Metabolic Adaptation to Cardiotoxic Doxorubicin | **Alessandra Ghigo**

14:20 - 14:30 Role of mitochondrial and cellular iron in doxorubicin-mediated cardiotoxicity | **Hossein Ardehali**

14:30 - 14:40 Circadian clock genes and doxorubicin cardiotoxicity | **Melanie Ricke-Hoch**

14:40 - 14:50 Novel insights into cardioprotection of anthracycline cardiotoxicity from human iPSC models | **Paul Burridge**

14:50 - 15:00 Discussion



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15:05 – 16:00

TRACK 1: Mechanisms in cardio-oncology

Chairs: Susan Dent, Anna González Neira

15:05 - 15:15

Exploring the effects of heart failure on cancer pathogenesis | **Rudolf de Boer**

15:15 - 15:25

The role of senescence in cardio-oncology | **Pietro Ameri**

15:25 - 15:35

Genetics in cancer and heart failure | **Aarti Asnani**

15:35 - 15:45

Clonal hematopoiesis, cancer, and cardiovascular diseases | **José Javier Fuster**

15:45 - 16:00

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

Endothelial cell injury | **Peter van der Meer**

17:40 - 17:50

Cancer therapy related arrhythmic risk | **José Ángel Cabrera**

17:50 - 18:00

Cardiac metabolism and cancer therapies | **Tienusch Rassaf**

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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