

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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CNIC - Centro Nacional de Investigaciones Cardiovasculares Carlos III- Aula Seminario II



Grupo
Jóvenes
Cardiólogos

11:45 - 12:40

JACC Journals Focus on the Young Investigators

Moderators: Dr. Valentin Fuster, Dr. Bonnie Ky

11:45 - 11:52

Scientific Priorities in Cardio-Oncology

| **Dra. Teresa López-Fernández**

11:52 - 12:07

Elements of a Successful Research Project

| **Dr. Borja Ibáñez**

12:07 - 12:22

Putting Pen to Paper: Steps to a High-Value Manuscript

| **Dr. Bonnie Ky**

12:22 - 12:40

Discussion with Dr Fuster: Perspectives from a Physician, Scientist and Editor



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CNIC - Centro Nacional de Investigaciones Cardiovasculares Carlos III

- 11:15 - 12:45** Brunch & Registration
- 12:45 - 12:50** GCOS 2023 WELCOME | **Teresa López-Fernández, Raúl Córdoba, Javier de Castro, Susan Dent**
- 12:50 - 13:10** WELCOME | **Valentin Fuster**
- 13:15 - 13:55** **OPENING SESSION: Bridging the knowledge gap in cardio-oncology**
Chairs: Bonnie Ky, Carlo Gabriele Tocchetti
- 13:15 - 13:30** Building bridges from cells to humans to prevent cardiovascular toxicities | **Fadi N. Salloum**
- 13:30 - 13:45** New mitochondrial therapies in cardio-oncology | **Richard N. Kitsis**
- 13:45 - 13:55** Discussion
- 14:00 - 15:30** **International collaborative efforts in the field of anthracycline cardiotoxicity**
Horizon 2020 HEALTH: RESILIENCE Project
Chairs: Teresa López-Fernández, Raúl Córdoba
- 14:00 - 14:10** Remote ischemic conditioning as a novel therapy to prevent anthracycline cardiotoxicity: from mechanism to therapies | **Borja Ibáñez**
- 14:10 - 14:20** Damage to microcirculation in subclinical anthracycline cardiotoxicity | **Carlos Galán-Arriola**
- 14:20 - 14:30** Emerging data in cardiac imaging to detect early myocardial damage | **Inés García Lunar**
- 14:30 - 14:35** Discussion
- Leducq Network of Excellence**
Chairs: Rodolphe Fischmeister, Alexander Lyon
- 14:40 - 14:50** Transcriptional and metabolic adaptation to cardiotoxic doxorubicin | **Alessandra Ghigo**
- 14:50 - 15:00** Role of mitochondrial and cellular iron in doxorubicin-mediated cardiotoxicity | **Hossein Ardehali**
- 15:00 - 15:10** Circadian clock genes and doxorubicin cardiotoxicity | **Melanie Ricke-Hoch**
- 15:10 - 15:20** Novel insights into cardioprotection of anthracycline cardiotoxicity from human iPSC models | **Paul Burridge**
- 15:20 - 15:25** Discussion



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15:30 – 16:10

New challenges in cardio-oncology

Chairs: Borja Ibáñez, Teresa López

15:30 - 15:40

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

15:40 - 15:50

How basic research can inform clinical strategies in immunotherapy-related toxicity | **Tomas Neilan**

15:50 - 16:00

Discussion

16:00 – 16:10

Cris Cancer Foundation Research Programmes | **Jesús Sánchez**

16:10 – 16:40

COFFEE BREAK

16:40 - 17:20

TRACK 1: Mechanisms in cardio-oncology

Chairs: Susan Dent, Anna González Neira

16:40 - 16:50

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

16:50 - 17:00

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

17:00 - 17:10

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

17:10 - 17:20

Discussion

17:20 - 18:00

TRACK 2: Research in inflammation and immunotherapy

Chairs: Javier de Castro, María Fernández Velasco

17:20 - 17:30

Pathophysiology of immune checkpoint inhibitor-induced myocarditis | **Pilar Martín**

17:30 - 17:40

Preclinical animal models of ICI-associated myocarditis | **Wouter Meijers**

17:40 - 17:50

Immune checkpoint inhibitor therapy and atherosclerosis | **Daniel Engelbertsen**

17:50 - 18:00

Discussion

18:00 - 18:50

TRACK 3: Mechanisms of vascular, arrhythmic and metabolic toxicities

Chairs: Michael Fradley, Pilar Sepulveda

18:00 - 18:10

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

18:10 - 18:20

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

18:20 - 18:30

Modeling cardiotoxicity in 3D cardiac tissue constructs | **Peter van der Meer**

18:30 - 18:40

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

18:40 - 18:50

Discussion

18:50

CLOSING REMARKS | **Borja Ibáñez**



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