



Introduction:

Metastasis is the main driving force for cancer-associated lethality as they are more difficult to treat than primary tumors. The exponential increase in heterogeneity throughout the metastatic cascade and the underlying biology that involves the generation of novel ecosystems incorporating resident and peripheral components of the microenvironment might explain the increased ability to resist therapies. The CNIO Frontier meeting will provide the most up-to-date perspective on metastasis including the best ways to model metastasis, embrace its heterogeneity, prevent metastases from happening, exploit organ-specific survival mechanism of cancer cells among other key topics. These novel research findings will be contributed by leaders in the field, which will make the CNIO Frontier Meeting on Metastasis the most relevant cancer research forum of the year.

Topics to be covered:

- Modelling Evolution of Metastasis
- Non-Genetic Adaptation in Metastasis (Metabolism, Epigenetics and Stress)
- Microorganismal Influence on Metastasis
- Anti-Metastasis Therapies and Clinical
- Influence of Microenvironment in Metastasis
- CTCS/ DTC/ CTDNA: New Technologies and Implications
- Neurobiology of Metastasis

General Agenda:

November, Monday 6th from 9.00 am to 6.00 pm

November, Tuesday 7th from 9.00 am to 6.00 pm

November, Wednesday 8th from 9.00 am to 1.00 pm

Abstracts:

Abstract submission deadline September 25, 2023

Abstracts must be submitted online when you register.

Top scoring abstracts will be selected for **short talks** in the main programme

Abstract Title (max. 50 words) / Abstract Authors (max. 100 words) / Abstract Centres/Organisations (max. 100 words) / Abstract (max. 450 words including references) /

Registration and Payment:

200 Euro Students and CNIO staff; 400 Euro Post-docs and Academia; 600 Euro Industry

[Register now](#)

Agenda

Monday November 6th, 2023

From 09.00 to 18.00 pm (coffee breaks, lunch, and light dinner included)

Session 1. **Modelling Evolution of Metastasis**

Cyrus Ghajar, Fred Hutchinson Cancer Center, US
Alana Welm, The University of Utah, US
Erik Sahai, The Francis Crick Institute, UK
Jean-Christophe Marine, Leuven Center for Cancer Biology, Belgium

Session 2. **Non-Genetic Adaptation in Metastasis (Metabolism, Epigenetics and Stress)**

Sarah María Fendt, VIB KU Leuven Center for Cancer Biology, Belgium
Salvador Aznar-Benitah, Institute of Biomedical Research (IRB), Spain
Xiang H-F Zhang, Baylor College of Medicine, US

Session 3. **Microorganismal Influence on Metastasis**

Maria Rescigno, Humanitas University, Italy
Shang Cai, Westlake University, China
Claudia Gravekam, Albert Einstein College of Medicine, US

Poster session with light dinner

Tuesday November 7th, 2023

From 09.00 to 18.00 pm (coffee breaks, lunch, and networking snacks included)

Session 4. **Anti-metastasis therapies and clinical efforts**

Adrienne Boire, Memorial Sloan Kettering Cancer Center, US
Eduard Batlle, Institute of Biomedical Research (IRB), Spain
Carlos Caldas, Cancer Research UK Cambridge Institute, UK
Marisol Soengas, Spanish National Cancer Research Centre (CNIO), Spain

Session 5. **Influence of Microenvironment in Metastasis**

Edgar G Engleman, Stanford University, US
Johanna Joyce, Ludwig Institute for Cancer Research, Switzerland
Mikala Egeblad, Cold Spring Harbor Laboratory, US

Poster session with snacks

Wednesday November 8th, 2023

From 9.00 am to 1.00 pm (coffee break included)

Session 6. CTCS/ DTC/ CTDNA: New Technologies and Implications

Caroline Dive, Cancer Research UK Cambridge Institute, UK
Nicola Aceto, Institute of Molecular Health Sciences (IMHS), Switzerland
Julio Aguirre-Ghiso, Albert Einstein College of Medicine, US

Session 7. Neurobiology of Metastasis

Erica Sloan, Victorian Heart Institute (VHI), Monash University, Australia
Frank Winkler, University Hospital Heidelberg and DKFZ, Germany
Jeremy Borniger, Cold Spring Harbor Laboratory, US
Humsa Venkatesh, Dana-Farber/Harvard Cancer Center, US

Best posters and short talks prizes

Closing remarks

CNIO Frontiers Meeting on Metastasis
6-8th November 2023
Madrid, Spain

Co-organizers

Julio Aguirre-Ghiso, Albert Einstein College of Medicine, US
Caroline Dive, Cancer Research UK Manchester Institute, UK
Eva González-Suarez, Spanish National Cancer Research Centre – CNIO, Spain
Héctor Peinado, Spanish National Cancer Research Centre – CNIO, Spain
Manuel Valiente, Spanish National Cancer Research Centre – CNIO, Spain