

The invisible phase of metastasis Programme

Virtual event, Worldwide

6 - 7 December 2022



Scientific Programme

Tuesday 6th December 2022

Listed times are in Central European Time (CET)

13:00 **WELCOME TO DAY 1**

Christoph Klein

SESSION 1 - DORMANCY

Chair: Julio Aguirre-Ghiso

13:05 **Laura Vera Ramirez**

GENYO-University of Granada, Spain

"Disseminated dormant breast cancer cells maintain redox homeostasis through organelle turnover and metabolic adaptation"

Q&A: 13:25 - 13:45

13:45 **Julio Aguirre-Ghiso**

Albert Einstein College of Medicine, USA

"Single-cell analysis of early disseminated cancer cells identifies a tissue resident macrophage-driven mesenchymal-like dormancy program that suppresses metastasis"

Q&A: 14:05 - 14:25

14:25 15-minute break

SESSION 2 - METABOLISM

Chair: Sarah-Maria Fendt

14:40 **Sarah-Maria Fendt**

VIB-KU Leuven Center for Cancer Biology, Belgium

"Nutrient dependencies of metastasis formation"

Q&A: 15:00 - 15:20

15:20 **Marco Montagner**

University of Padua, Italy

Proffered Paper 1: "EphB6 Regulates TFEB-Lysosomal Pathway and Survival of Disseminated Indolent Breast Cancer Cells"

Q&A: 15:30 - 15:40

15:40 **Zeinab Homayed**

Institute of Functional Genomics (IGF), France

Proffered Paper 2: "Early dissemination highly enhances liver metastasis development in mouse models for intestinal tumorigenesis"

Q&A: 15:50 - 16:00

16:00 15-minute break

16:15 **Srinivas Malladi**

UT Southwestern Medical Centre, USA

"Targetable vulnerabilities of latent breast cancer brain metastatic cells"

Q&A: 16:35 - 16:55

16:55 **POSTER SPOTLIGHTS**

3 top abstracts presented as 3-minute flash talks

17:05 **END OF DAY 1 WEBINAR**

Once the Webinar has ended we will take a 15-minute break before we begin our Virtual Poster Discussion Session 1

17:20 **VIRTUAL POSTER DISCUSSION SESSION 1**

An informal and interactive 'virtual' opportunity for participants to browse the posters and make new connections. This 60-minute session will be delivered through the Zoom Meeting platform.

Wednesday 7th December 2022

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12:30 **VIRTUAL POSTER DISCUSSION SESSION 2**

An informal and interactive 'virtual' opportunity for participants to browse the posters and make new connections. This 60-minute session will be delivered through the Zoom Meeting platform.

13:30 30-minute transition break

14:00 **WELCOME TO DAY 2**

SESSION 3 - CANCER EVOLUTION, PLASTICITY AND PROGRESSION

Chair: Christoph Klein

14:05 **Christoph Klein**

University of Regensburg, Germany

"Cellular plasticity during metastatic colony formation in patients"

Q&A: 14:25 - 14:45

14:45 **Adrià Cañellas**

IRB Barcelona, Spain

Proffered Paper 3: "Metastatic recurrence in colorectal cancer arises from residual EMP1+ cells"

Q&A: 14:55 - 15:05

15:05 10-minute break

15:15 **Harald Schuhwerk**

University of Erlangen–Nuremberg, Germany

Proffered Paper 4: "ZEB1 suspends anti-tumor immune defenses in colorectal cancer by tuning the functional diversity of cancer-associated fibroblasts (CAFs)"

Q&A: 15:25 - 15:35

15:35 **Cathrin Briskén**

EPFL, Switzerland & The Institute of Cancer Research, UK

"Epithelial mesenchymal plasticity and control of ER+ breast cancer dormancy"

Q&A: 15:55 - 16:15

16:15 15-minute break

SESSION 4 - IMMUNOLOGY

Chair: Cyrus Ghajar

- 16:30 **Ana Luisa Correia**
Champalimaud Foundation, Portugal
"Revisiting NK cell immunity to prevent metastasis"
Q&A: 16:50 - 17:10
- 17:10 **Cyrus Ghajar**
Fred Hutchinson Cancer Research Center, USA
"Understanding and overcoming disseminated tumor cell immune evasion"
Q&A: 17:30 - 17:50
- 17:50 10-minute break
- 18:00 **DISCUSSION FORUM**
Chistoph Klein, Sarah-Maria Fendt, Julio Aguirre-Ghiso, Cyrus Ghajar
"How to translate emerging findings for the prevention of lethal metastatic disease"
- 18:45 **END OF DAY 2 SUMMARY**