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

Listed times are in Central European Time (CET)

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 Brisken**
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