

Seed and Soil: Mechanisms of Metastasis Programme

Berlin, Germany

7 - 9 October 2019



Scientific Programme

Monday 7th October 2019

- 13:00 **REGISTRATION**
Tea/coffee available
- 14:30 **CONFERENCE WELCOME**
Scientific Programme Committee
- 14:40 **SESSION 1 - METASTASIS INITIATION**
Chair: Janine Terra Erler
- 14:40 **THE EMBO KEYNOTE LECTURE**
Cedric Blanpain
ULB, Belgium
"Tumor transition states and metastasis"
- 15:25 **Jonathan Sleeman**
University of Heidelberg, Germany
"Matrix-Assisted Autocrine Signaling"
- 15:55 **Luigi Ombrato**
The Francis Crick Institute, UK
Proffered Paper 1: "A novel in vivo labelling system reveals tissue parenchyma stem cell features in the metastatic niche"
- 16:10 **EXHIBITOR INTRODUCTIONS**
60-second intro pitches by each company
- 16:20 **COFFEE BREAK**
Trade exhibition opens at 16:20
- 16:50 **Rosandra Kaplan**
NCI/NIH, USA
"Stromal and Immune Cell Plasticity in the Pre Metastatic Niche and Metastatic Progression"
- 17:20 **Christoph Klein**
University of Regensburg, Germany
"Mechanisms of early metastatic spread and colony formation: insights from the analysis of disseminated cancer cells"
- 17:50 **Sarah Weischer**
Radboudumc, Netherlands
Proffered Paper 2: "An intravascular tumor niche identified by deep-tumor multiphoton endomicroscopy"
- 18:05 **Jim Norman**
Beatson Institute, UK
"A role for integrin trafficking in metastatic niche priming"
- 18:35 **POSTER SPOTLIGHTS**

Three top-scoring abstracts presented in 3 minute 'flash talks'

- 18:45 **WELCOME RECEPTION**
with drinks and a hot buffet dinner
- 19:15 **POSTER DISCUSSION SESSION 1**

Tuesday 8th October 2019

- 00:00 **CONFERENCE DINNER**
Optional ticketed dinner beginning with a drinks reception in the Planck Lobby of Harnack House
- 08:30 **POSTER VIEWING**
Tea/coffee available
- 09:00 **Sarah-Maria Fendt**
VIB-KU Leuven, Belgium
"The role of metabolism in metastasis formation"
- 09:00 **SESSION 2 - METASTASIS MAINTENANCE & FORMATION**
Chair: Andreas Trumpp
- 09:30 **Eduard Batlle**
IRB Barcelona, Spain
"Immune evasion and metastasis in colorectal cancer"
- 10:00 **KEYNOTE LECTURE**
Caroline Dive
CRUK Manchester Institute, UK
"New approaches to studying lung cancer metastasis using circulating tumour cells"
- 10:45 **COFFEE BREAK**
- 11:20 **Anna Lorentzen**
Aarhus University, Denmark
Proffered Paper 3: "Single-cell polarity as a pro-metastatic feature of circulating tumour cells"
- 11:35 **Julio Aguirre-Ghiso**
The Icahn School of Medicine at Mount Sinai, USA
"Dormant DCCs and adult stem cell niches: a homeostatic seed and soil partnership"
- 12:05 **Gabriele Bergers**
VIB-KU Leuven Center for Cancer Biology, Belgium
"Creating an immunostimulating tumor microenvironment: From vessel pruning to vessel tuning"
- 12:35 **POSTER SPOTLIGHTS**
Three top-scoring abstracts presented in 3 minute 'flash talks'
- 12:45 **INDUSTRY SYMPOSIUM - 10X GENOMICS**
Hannes Arnold
10x Genomics
"Profiling the Tumor Microenvironment: Functional Characterization at Single Cell Resolution and Spatial Gene Expression"
- 13:15 **LUNCH**

- 14:15 **POSTER DISCUSSION SESSION 2**
Tea/coffee available
- 15:45 **SESSION 3 - TARGETING METASTASIS I**
Chair: Sarah-Maria Fendt
- 15:45 **Andreas Trumpp**
DKFZ, Germany
"Exploring CDK4/6 inhibitor drug resistance at the single cell level in metastatic breast cancer CTCs"
- 16:15 **Gopalakrishnan Ramakrishnan**
UIC, USA
Proffered Paper 4: "The AMP activated protein kinase promotes metastasis through the regulation of ROS production"
- 16:30 **Veronique Orian-Rousseau**
KIT, Germany
"Dual function of CD44 in cancer cells and in the tumor stroma"
- 17:00 **DISCUSSION FORUM**
Chaired by Caroline Dive, the panel of invited speakers will tackle this important question.
"To EMT or not to EMT, or anything in between?"

Wednesday 9th October 2019

- 08:30 **POSTER VIEWING**
Tea/coffee available
- 09:00 **MEET THE EXPERT TALK**
Andreas Trumpp
DKFZ, Germany
- 09:30 **SESSION 4 - TARGETING METASTASIS II**
Chair: Jonathan Sleeman
- 09:30 **Janine Erler**
University of Copenhagen, Denmark
"ECM remodelling during cancer progression"
- 10:00 **Karen Vousden**
The Francis Crick Institute, UK
"A role for ROS in regulating metastasis"
- 10:30 **COFFEE BREAK**
Trade exhibition closes at 11:00
- 11:00 **Emma Nolan**
The Francis Crick Institute, UK
Proffered Paper 5: "Lung exposure to ionizing radiation elicits neutrophil-mediated tissue perturbations and creates a pro-metastatic microenvironment"
- 11:15 **Thordur Oskarsson**
DKFZ, Germany
"Regulation of the metastatic niche in breast cancer"
- 11:45 **KEYNOTE LECTURE**
Patricia Steeg

NCI/NIH, USA

"The Blood-Tumor Barrier of Brain Metastases"

- 12:30 CLOSING SUMMARY & AWARDS CEREMONY
Scientific Programme Committee
- 12:40 BEUG FOUNDATION METASTASIS PRIZE
- 12:55 LUNCH & DEPART