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 is 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