

# Goodbye Flat Biology: In Vivo Inspired Cancer Biology and Therapy Programme

Berlin, Germany

9 - 12 September 2018



## Scientific Programme

### Sunday 9th September 2018

- 15:30     **REGISTRATION**  
*Planck Lobby*  
Including tea/coffee
- 17:00     **CONFERENCE WELCOME**  
**Andrew Ewald - Conference Chair**
- 17:15     **OPENING KEYNOTE LECTURE**  
Chair: Emmy Verschuren  
**Hans Clevers**  
Hubrecht Institute, Netherlands  
"Lgr5 stem cell-based organoids in human cancer research"
- 18:15     **ICEBREAKER INTRODUCTIONS**  
*Planck Lobby*  
An opportunity to make some new connections and meet those with similar research interests.
- 19:00     **WELCOME BUFFET & TRADE EXHIBITION**  
*Meitner Hall & Goethe Hall*  
Drinks & hot buffet

### Monday 10th September 2018

- 08:30     **POSTER VIEWING & TRADE EXHIBITION**  
*Meitner Hall & Goethe Hall*  
Including tea/coffee
- 09:00     **SESSION 1: MOLECULAR AND CELLULAR REGULATION OF METASTASIS**  
Chair: Ellen Van Obberghen-Schilling
- 09:00     **Andrew Ewald**  
Johns Hopkins, USA  
"Regulation of metastasis by intercellular interactions"
- 09:30     **Margaret Frame**  
IGMM Edinburgh, UK  
"Targeting the multitasking adhesion kinases as combination therapies"
- 10:00     **Elizabeth Pavez Lorié**  
Leibniz Institute of Environmental Medicine, Germany  
Proffered Paper 1: "Cyclosporin A is promoting tumor like invasion in a long-term human skin equivalent"
- 10:15     **EXHIBITOR INTRODUCTIONS**  
Hear about the equipment and services offered by the companies in the trade exhibition.

- 10:25 **COFFEE BREAK & TRADE EXHIBITION**  
*Meitner Hall & Goethe Hall*
- 10:55 **Julie Pannequin**  
IGF Montpellier, France  
Proffered Paper 2: "Circulating tumor cells from patients with colorectal cancer display cancer stem cell hallmarks in ex-vivo culture"
- 11:10 **Matthias Lütolf**  
EPFL, Switzerland  
"Engineering organoid development"
- 11:40 **POSTER SPOTLIGHTS**  
Four top-scoring abstracts will be presented in short 'flash talks' of 2 minutes each.
- 11:50 **INDUSTRY SYMPOSIUM - LONZA**  
**Jenny Schroeder**  
Lonza, Germany  
"Advanced Cell Culture Solutions for Primary Human Cells"
- 12:20 **BUFFET LUNCH & TRADE EXHIBITION**  
*Meitner Hall & Goethe Hall*
- 13:00 **POSTER DISCUSSION SESSION 1**  
Including tea/coffee
- 14:15 **SESSION 2: THE IMMUNE MICROENVIRONMENT AND IMMUNOTHERAPY IN CANCER**  
Chair: Peter Friedl
- 14:30 **IMMUNO KEYNOTE LECTURE**  
**Ron Germain**  
National Institutes of Health, USA  
"Imaging immunity in many colors and dimensions: developing a detailed spatiotemporal understanding of host defense"
- 15:15 **Bettina Weigelin**  
RIMLS / MD Anderson, Netherlands/USA  
"Cytotoxic T cell function in solid tumors and bone metastasis: implications for immunotherapy"
- 15:45 **Sofia Rebelo**  
iBet, Portugal  
Proffered Paper 3: "3D-3-culture: unveiling macrophage plasticity in the tumor microenvironment"
- 16:00 **Reinhold Förster**  
Institute for Immunology, Hannover, Germany  
"Lymph node homing of lymph-derived immune cells"
- 16:30 **CAREER FORUM**  
*Liebig Vault*  
Spaces are limited, and sign up will open after the registration deadline. The session will finish at 17:30.

## Tuesday 11th September 2018

- 08:30 **POSTER VIEWING & TRADE EXHIBITION**

*Meitner Hall & Goethe Hall*

Including tea/coffee

- 09:00 **MEET THE EXPERT**  
**Margaret Frame**  
IGMM Edinburgh, UK  
Prof. Frame will share from her personal perspective and experiences. There will be a chance to ask questions.
- 09:30 **SESSION 3: MICROENVIRONMENTAL AND METABOLIC REGULATION OF CANCER INVASION**  
Chair: Maria Vinci
- 09:30 **Peter Friedl**  
Radboud UMC / MD Anderson CC, Netherlands/USA  
"Collective cancer cell invasion: plasticity and interconversions"
- 10:00 **Danijela Vignjevic**  
Institut Curie, France  
"Fibroblasts role in gut homeostasis and cancer invasion"
- 10:30 **COFFEE BREAK & TRADE EXHIBITION**
- 11:00 **Christopher Hanley**  
University Of Southampton, UK  
Proffered Paper 4: "3D co-culture of tumor organoids with autologous stromal cells induces keratin-14 expression and invasion in multiple models of ductal breast cancer"
- 11:15 **Aneta Gandalovičová**  
Charles University, Czech Republic  
Proffered Paper 5: "Inflammation-associated signaling is associated with the amoeboid invasion mode in cancer cells"
- 11:30 **Ellen Van Obberghen-Schilling**  
Institute of Biology Valrose, France  
"ECM landscape and tumor progression"
- 12:00 **POSTER SPOTLIGHTS**  
Four top-scoring abstracts will be presented in short 'flash talks' of 2 minutes each.
- 12:10 **INDUSTRY SYMPOSIUM - NEXCELOM BIOSCIENCE**  
**Somaieh Hedayat**  
The Institute of Cancer Research, UK  
"Patients derived organoids (PDOs) to model therapy response ex vivo"
- 12:10 **Muge Sarper**  
The Institute of Cancer Research, UK  
"Large scale phenotypic drug screen on biomimetic 3D models"
- 12:40 **BUFFET LUNCH & TRADE EXHIBITION**  
*Meitner Hall & Goethe Hall*
- 13:15 **POSTER DISCUSSION SESSION 2**  
Including tea/coffee
- 14:45 **SESSION 4: SMART MICROENVIRONMENTS I**  
Chair: Emmy Verschuren
- 14:45 **Fanny Jaulin**

- Gustave Roussy, France  
"Apico-basolateral polarity in colorectal carcinomas dissemination"
- 15:15 **Claudia Fischbach-Teschl**  
Cornell University, USA  
"Biomaterials approaches to analyze ECM dynamics in obesity-associated breast cancer"
- 15:45 **Nicola Valeri**  
The Institute of Cancer Research, UK  
Proffered Paper 6: "Patient-derived organoids model treatment response of metastatic gastrointestinal cancers"
- 16:00 **Maria Carla Parrini**  
Institut Curie, France  
Proffered Paper 7: "Tumor-on-chip platforms for ex vivo characterization of tumor microenvironments and of their responses to anti-cancer drugs"
- 16:15 **Janine Erler**  
BRIC, Denmark  
"Modelling metastasis using native ECM"
- 16:45 **CONFERENCE DEBATE**  
Speakers will present opposing sides of the argument and there will be a chance to ask questions. A vote will be taken before and after.  
**Chair: Emmy Verschuren | Defending: Don Ingber | Opposing: Peter Friedl**  
"Smart 3D culture will replace animal experiments"
- 19:30 **DRINKS RECEPTION & CONFERENCE DINNER**  
*Restaurant Harnack Haus*  
Ticketed optional extra.

## Wednesday 12th September 2018

- 08:30 **POSTER VIEWING & TRADE EXHIBITION**  
*Meitner Hall & Goethe Hall*  
Including tea/coffee
- 09:00 **SESSION 5: SMART MICROENVIRONMENTS II**  
Chair: Andrew Ewald
- 09:00 **Anne Rios**  
Princess Maxima Center, Netherlands  
"Investigating the cellular dynamics of organ development and cancer using 3D imaging"
- 09:30 **Maria Vinci**  
Bambino Gesù' Children's Hospital, Italy  
"Interclonal and heterocellular interactions in paediatric High Grade Glioma"
- 10:00 **INDUSTRY SYMPOSIUM - JSR LIFE SCIENCES**  
**Henry Li**  
Crown Bioscience, USA  
"Creating patient derived experimental platform for in vitro screening by using the largest annotated PDX library"
- 10:30 **COFFEE BREAK & TRADE EXHIBITION**
- 11:00 **Dik van Gent**

Erasmus MC, Netherlands

Proffered Paper 8: "The RECAP test: measuring Homologous recombination deficiency in living tumor tissue"

11:15

**Emmy Verschuren**

FIMM, Finland

"Histopathology-specific lung cancer phenotypes as disease vulnerabilities"

11:45

CLOSING KEYNOTE

Chair: Maria Vinci

**Don Ingber**

Wyss Institute, USA

"From Organs-on-Chips to a Human Body-on-Chips"

12:30

SUMMARY & AWARDS

**Ellen Van Obberghen-Schilling - incoming Conference Chair**

12:45

LUNCH, TRADE EXHIBITION CLOSES, DEPART

until 13:30