



EUROPEAN NETWORK OF BREAST DEVELOPMENT AND CANCER LABS

10th ENBDC workshop

Methods in mammary gland biology and breast cancer March 15-17, 2018, Weggis, Switzerland

Meeting Organizer
Eva Gonzalez Suarez

Postdoc Chairs: Karsten Bach (University of Cambridge, UK) and Johanna Englund (University of Helsinki, Finland)

Thursday, March 15, 2018

- 12:00 check-in at the hotel and lunch
- 14:00 Introduction: Chair – **Eva Gonzalez Suarez** (IDIBELL, Barcelona)
- 14:05-15:00 Keynote lecture – Zena Werb** (UCSF, San Francisco)
“Redefining Mammary Development, Cancer, Metastasis and the Microenvironment in the Era of Single-Cell Biology”
- 15:00-17:20 Session 1: Biomechanics and Imaging**
- 15:00-15:40 **Pere Roca-Cusachs** (IBEC, Barcelona)
“Sensing tissue stiffness: transducing mechanical signals from integrins to the nucleus”
- 15:40-16:20 **Colinda Scheele** (Hubrecht Institute, The Netherlands)
“Dynamics of mammary gland development”
- 16:20-16:40 Break
- 16.40-18.40 Session 2: Mechanisms of mammary tumorigenesis**
- 16:40-17:20 **Marie Ange Deugnier** (Institut Curie, Paris)
“Podoplanin regulates mammary stem cell function and tumorigenesis by modulating Wnt/beta-catenin signaling”



- 17:20-18:00 **Martin Jechlinger** (EMBL, Heidelberg)
"Modeling breast cancer therapy and recurrence"
- 18:00-18:20 **Short talk 1**
Francoise Lenfant (INSERM, Toulouse)
MUTATION OF PALMITOYLATION SITE OF ESTROGEN RECEPTOR ER α
ALTERS THE REGENERATIVE POTENTIAL OF MAMMARY EPITHELIAL
SUBPOPULATIONS
- 18:20-18:40 **Short talk 2**
Anne Marthe Fosdahl (Oslo University Hospital)
BREAST TUMORS BECOME RESISTANT TO ENDOCRINE THERAPY BY ER-
INDEPENDENT MECHANISMS TRIGGERED BY THE COORDINATED
ACTIVITIES OF RTKS AND FOXA1
- 18:40-20:15 Dinner
- 20:15 **Poster Session 1**



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Friday, March 16, 2018

07:30- 09:00 Breakfast

09:00-11:20 Session 3: Tumor immunology

Chairs:

09:00-09:40 **Jeff W Pollard** (The Queen's Medical Research Institute, Edinburgh)
"Macrophage maleficence in cancer"

09:40-10:20 **Christophe Caux** (Centre Leon Berard, Lyon)
"Mechanisms of Treg mediated suppression in breast tumors"

10:20-10:40 Break

10:40-11:20 **Karin de Visser** (Netherlands Cancer Institute, Amsterdam)
"The genetic makeup of primary breast tumors dictates pro-metastatic systemic inflammation"

11:20-11:40 Short talk 3

Flavia Fico (Tumor Ecology Lab, University of Fribourg)
CANCER STEM CELLS IMMUNOMODULATORY ACTIVITIES SHAPE THE FATE OF BREAST TUMORS.

11:40-12:00 Short talk 4

Guillermo Yoldi (IDIBELL, Barcelona)
ROLE OF RANK SIGNALING IN TUMOR IMMUNE SURVEILLANCE

12:20-14:00 Lunch

Afternoon Trip

18:00 Dinner

19:15 **Poster Session 2**

21:00 10th year anniversary party



Saturday, March 17, 2018

07:30-09:00 Breakfast

09:00-11:25 **Session 4: Postdoc session Tumor Microenvironment**

09:00-09:05 **Intro by the Chairs**

Karsten Bach (University of Cambridge, UK) and Johanna Englund (University of Helsinki, Finland)

09:05-09:45 **Charles Streuli** (Manchester Breast Center, UK)

"Microenvironmental control of tumour initiation and circadian clocks in the breast"

09:45-10:25 **Xiang Zhang** (BCM, Houston, USA)

"One microenvironment does not fit all - inter-tumoral heterogeneity of myeloid cells and its impact on immunotherapy"

10:25-10:45 Break

10:45-11:05 **Short talk 5**

Alessia Centonze (Laboratory of Stem Cells and Cancer, Université Libre de Bruxelles)

DEFINING THE MECHANISMS REGULATING THE MULTIPOTENT CELL FATE REACTIVATION OF MAMMARY GLAND STEM CELLS

11:05-11:25 **Short talk 6**

Sara Pensa (Department of Pharmacology, University of Cambridge)

BCL11A MARKS MAMMARY LUMINAL PROGENITOR CELLS THAT ARE SUSCEPTIBLE TO NEOPLASTIC TRANSFORMATION

11:25-12:05 **Keynote: Momo Bentires Alj** (DBM, University of Basel, Switzerland)

"Cancer targeted therapy and tumor heterogeneity: Act locally, think globally"

12:05-12:15 General Discussion and Poster Prize

12:15 Lunch (optional) and Departure