



12th ENBDC workshop

Methods in mammary gland biology and breast cancer March 26-28, 2020, Weggis, Switzerland

Meeting Organizer: Alexandra Van Keymeulen (Université Libre de Bruxelles, Belgium)
Co-Organizer: Beatrice Howard (The Institute of Cancer Research, United Kingdom)

Postdoc Chairs: Elsa Charifou (Institut Pasteur, France)
Gunnhildur Traustadottir (University of Iceland, Iceland)

Thursday, March 26, 2020

- 12:00 check-in at the hotel and lunch
- 14:00 Introduction: Chair – Alexandra Van Keymeulen (Université Libre de Bruxelles, Belgium)
- 14:05-14:50 Keynote lecture – Nicola Aceto (University of Basel, Switzerland)**
“Biology and Vulnerabilities of Circulating Tumor Cells“
- 14:50-15:05 Discussion
- 15:05-16:45 Session 1: Breast cancer metastasis**
Chair: Mohamed Bentires-Alj (University of Basel, Switzerland)
- 15:05-15:30 **Speaker 1: Ilaria Malanchi (The Francis Crick Institute, London, UK)**
“How to spot early cancer-tissue interaction during metastasis“
- 15:30-15:45 Discussion
- 15:45-16:10 **Speaker 2: Eva Gonzalez Suarez (CNIO, Spain)**
“Pleiotropic role of RANK signaling in breast cancer“
- 16:10-16:25 Discussion
- 16:25-16:45 **Break**



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- 16:45-17:00** **Short talk 1: Roger Gomis (IRB Barcelona, Spain)**
"Metastasis latency and bone metastasis in breast cancer"
- 17:00-17:10 Discussion
- 17.10-18.30** **Session 2: Models of breast cancers**
Chair: Alexandra Van Keymeulen (Université Libre de Bruxelles, Belgium)
- 17:10-17:35 **Speaker 3: Cathrin Brisken (EPFL, Switzerland)**
"Hormone signalling in the breast: how models matter"
- 17:35-17:45 Discussion
- 17:45-18:10** **Speaker 4: Ivo Huijbers (Netherlands Cancer Institute, The Netherlands)**
"Novel mouse models of cancer: transition from germline to somatic models"
- 18:10-18:25 Discussion
- 18:30-19:30** **Apéro and Poster Session 1**
- 19:30-20:45 **Dinner**
- 20:45** **Poster Session 2**



Friday, March 27, 2020

- 07:30- 09:00 Breakfast
- 09:00-12:10 Session 3: Branching and development**
Chairs: Beatrice Howard (The Institute of Cancer Research, United Kingdom)
- 09:00-09:25 **Speaker 5: Thorarinn Gudjonsson (University of Iceland, Iceland)**
 "Epithelial to mesenchymal transition in breast morphogenesis and cancer"
- 09:25-09:40 Discussion
- 09:40-10:05 **Speaker 6: Bethan Lloyd Lewis (University of Bristol, United Kingdom)**
 "4D imaging in the mammary gland; a window into breast development and disease"
- 10:05-10:20 Discussion
- 10:20-10:40 **Break and group picture**
- 10:40-10:55 **Short talk 2: Satu-Marja Myllymäki (HiLIFE, Institute of Biotechnology, Helsinki)**
 "From cells to branches – Insights into mammary branch formation"
- 10:55-11:05 Discussion
- 11:20-11:35 **Short talk 3: Zuzana Koledova (Masaryk University, Czech Republic)**
 "FGF signaling intensity and dynamics control distinct mechanisms of epithelial branching in mammary gland"
- 11:35-11:45 Discussion
- 11:45-12:00 **Short talk 4: Claudia Carabana Garcia (Institut Curie Paris, France)**
 "Defining cell fate specification of mouse mammary stem cells in 4D"
- 12:00-12:10 Discussion
- 12:20-13:30 **Lunch**
- 13:30-18:30 Afternoon Trip
- 18:30 Dinner
- 19:15 **Poster Session 3**
- 21:00 Party



Saturday, March 28, 2020

- 07:30-09:00 Breakfast
- 09:00-11:25 Session 4: Tumor microenvironment**
Post-doc Chairs: Elsa Charifou and Gunnhildur Traustadottir
- 09:00-09:05 Intro by the Chairs**
- 09:05-09:20 Short talk 5: Ginevra Doglioni (VIB-KULeuven, Belgium)**
"The primary tumor secretome alters the metabolic microenvironment of the pre-metastatic niche and promotes metastasis formation"
- 09:20-09:30 Discussion
- 09:30-09:45 Short talk 6: Rachel Eyre (University of Manchester, United Kingdom)**
"Utilising tissue-on-a-chip technology as a novel ex vivo model of breast cancer metastatic colonization"
- 09:45-09:55 Discussion
- 09:55-10:15 **Break**
- 10:15-10:40 Speaker 7: Jayakumar Vadakekolathu (Nottingham trent University, United Kingdom)**
"Identifying drivers of breast cancer metastasis by experimental modelling of epithelial to mesenchymal transition (EMT) and bioinformatic interrogation of public datasets"
- 10:40-10:55 Discussion
- 10:55-11:20 Speaker 8: Ingunn Holen (The University of Sheffield, United Kingdom)**
"Role of the bone microenvironment of breast tumour growth and response to therapy - what have we learnt from in vivo models?"
- 11:20-11:35 Discussion
- 11:35-11:55 General Discussion and Poster Prize**
- 12:00 **Lunch (optional) and Departure**
- 13:12 – 13:47 Boat transfer Weggis - Luzern