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)
                  “Pleitropic role of RANK signaling in breast cancer”
16:10-16:25    Discussion
16:25-16:45    Break
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: John Stingl (STEMCELL Technologies Inc, Canada)
“Expansion of mouse mammary epithelial stem cells in serum-free organoid growth medium”

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