

# PROGRAM

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**Thursday, May 16, 2019**

12:00 check-in at the hotel and lunch

14:00 Welcome and Introduction by the chair **Zuzana Koledova** (Masaryk University, Czech Republic)

Postdoc Chairs: **Vida Vafaizadeh** (University of Basel, Switzerland) and **Emilia Peuhu** (University of Turku, Finland)

**14:05 – 15:45 Session 1: High resolution genomics and proteomics reveal mechanisms of mammary gland development and cancer**  
**Chair: Walid Khaled (University of Cambridge, UK)**

14:05 – 14:30 **Bhupinder Pal (Olivia Newton John's Cancer Research Institute, Australia)**  
"Using single cell genomics to study lineage relationships in mammary gland"

14:30 – 14:45 Discussion

14:45 – 15:10 **Delphine Merino (Olivia Newton John's Cancer Research Institute, Australia)**  
"Genetic and optical barcoding to follow tumour and metastasis heterogeneity"

15:10 – 15:25 Discussion

15:25 – 15:50 **Michaela Asp (KTH Royal Institute of Technology, Sweden)**  
"Spatial Transcriptomics - Bridging histology and RNA sequencing"

15:50 – 16:05 Discussion

**16:05 – 16:25 Coffee Break**

**16:25 – 17:45 Session 2: Breast cancer signalling**  
**Chair: Mohammed Bentires-Alj (University of Basel, Switzerland)**

16:25 – 16:50 **Chiara Francavilla (University of Manchester, UK)**  
"Proteomics analysis of proximal signalling in breast cancer cells"

16:50 – 17:05 Discussion

17:05 – 17:20 **Rafal Sadej (Medical University in Gdansk, Poland)**  
"FGFR2-mediated signalling in steroid hormone-positive breast cancer cells: Implications for therapy and prognostication"

17:20 – 17:25 Discussion

17:25 – 17:40 **Didier Picard (Université de Genève, Switzerland)**  
"Unexpected regulators of ER $\alpha$  transcriptional activity"

17:40 – 17:45 Discussion

**17:45 – 19:00 Poster Session 1**

**19:00 – 20:15 Dinner**

**20:30 Poster Session 2**

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**Friday, May 17, 2019**

07:30 – 09:00 Breakfast

**09:00 – 09:45 Keynote lecture: Erik Sahai (Francis Crick Institute, UK)**  
“Interplay of breast cancer cells with the lung parenchyma”

09:45 – 10:00 Discussion

**10:00 – 11:00 Session 3: Preclinical models of breast cancer**  
**Chairs: Vida Vafaizadeh (University of Basel, Switzerland) and Emilia Peuhu (University of Turku, Finland)**

10:00 – 10:05 Introduction by the Chairs

10:05 – 10:35 **Sven Rottenberg (University of Bern, Switzerland)**  
“Studying mechanisms of drug resistance in mouse models of breast cancer”

10:35 – 10:50 Discussion

**10:50 – 11:10 Coffee Break**

11:10 – 11:35 **Chris Madsen (Lund University, Sweden)**  
“Tissue and ECM remodelling in cancer and metastasis”

11:35 – 11:50 Discussion

11:50 – 12:05 **Megan Thompson (MCRC, The University of Manchester, UK)**  
“Investigating NOTCH4 signalling mechanisms to better inhibit breast cancer stem cells activity”

12:05 – 12:10 Discussion

12:10 – 12:25 **Matthew Boucher (EMBL Heidelberg, Germany)**  
“Assessing metabolic heterogeneity in breast cancer cells during minimal residual disease formation using a ratio-metric based fluorescent sensor for NAD<sup>+</sup>/NADH”

12:25 – 12:30 Discussion

**12:20 – 13:45 Lunch**

**13:45 – 18:00 Afternoon Trip to Riggli**

**18:00 Dinner**

**19:15 Poster Session 3**

**21:00 Party**

**Saturday, May 18, 2019**

07:30 – 09:00 Breakfast

**09:00 – 11:25 Session 4: Mammary gland development: Insights into tissue morphogenesis**  
**Chair: Marja Mikkola (University of Helsinki, Finland)**

09:00 – 09:25 **Jeremy BA Green (King's College London, UK)**  
“The cellular basis of ectodermal organ morphogenesis”

09:25 – 09:40 Discussion

09:40 – 10:05 **Stephano De Renzis (EMBL Heidelberg, Germany)**  
“Optogenetic control of tissue morphogenesis”

10:05 – 10:20 Discussion

**10:20 – 10:40 Coffee Break**

10:40 – 10:55 **Salah Elias & Maria Fankhaenel (University of Southampton, UK)**  
“Investigating novel mechanisms that regulate oriented cell division in mammary stem cells”

10:55 – 11:00 Discussion

11:00 – 11:15 **Alessia Centonze & Shuheng Lin (Université Libre de Bruxelles, Belgium)**  
“Heterotypic cell-cell communication regulates multipotency in glandular epithelial stem cells”

11:15 – 11:20 Discussion

**11:20 – 11:40 General Discussion and Prize Award Ceremony**

**11:45 Lunch (optional) and Departure**

**13:12 – 13:47 Boat transfer Weggis - Luzern**