



**EUROPEAN NETWORK OF BREAST
DEVELOPMENT AND CANCER LABS**

14th ENBDC workshop

Methods in mammary gland biology and breast cancer



Weggis, April 26-29, 2023



PROGRAM

Wednesday, April 26, 2023.

Early Career Researcher workshop – Part 1

organized by Postdoc and PhD chairs.

- 12:00-14:00 check-in at the hotel and lunch
- 14:00-15:15 **ECR Scientific session 1** (15 minutes per talk, 10 minutes for questions)
- 14:00-14:25 **Patrycja Szybowska** (Institute for Cancer Research, Oslo University Hospital)
“Establishing a new method to identify tumour-secreted factors educating pre-metastatic niches”
- 14:25-14:50 **Oliver Cottrell** (University of Manchester)
“Dissecting the dynamic role of oscillatory Hes1 expression in MCF7 cell cycle progression and arrest”
- 14:50-15:15 **Aida Aide Luna Perez** (University of Sheffield, UK)
“The role of cystic fibrosis transmembrane conductance regulator in lumen formation, maintenance, and cancer phenotype in the mammary gland”
- 15:15-15:45 Coffee break
- 15:45-17:00 **ECR Scientific session 2** (15 minutes per talk, 10 minutes for questions)
- 15:45-16:10 **Benjamin Davies** (University of Cambridge, UK)
“Myoepithelial and immune cell dynamics in the ovine mammary gland during postnatal development”
- 16:10-16:35 **Calvin Rodrigues** (Institut Curie, Paris)
“Transcriptional mechanisms underlying a cell fate transition induced by Notch activation in the adult mouse mammary epithelium”
- 16:35-17:00 **Mathilde Folacci** (Department of Biomedicine Aarhus University)
“Deciphering intercellular organization and communication in lactating mammary basal cells”
- 17:15-18:30 Outside social event
- 18:30 Dinner
- 20:00 PhD/PD retreat social event: games evening



Thursday, April 27, 2023.

Early Career Researcher workshop – Part 2

organized by Postdoc and PhD chairs.

- 07:30-09:00** Breakfast
- 09:00-09:30 Decompression event
- 09:30-10:45** **ECR Scientific session 3**
- 09:30-09:55 **Neve Prowting** (University of Bristol, UK)
“Characterising an organoid model of mammary gland involution”
- 09:55-10:20 **Marleen Aarts** (University of Amsterdam)
“A new toolbox for measuring PR signaling in breast epithelial cells”
- 10:20-10:45 **Marika Caruso** (VIB-KULeuven)
“A novel branched mammary organoid model to study branching morphogenesis and tumor initiation”
- 10:45-11:00** Coffee break
- 11:00-12:00 **Technical speed dating**: trouble shooting your experiments



Thursday, April 27, 2023.

Start of the normal program.

- 12:00 **check-in at the hotel and lunch**
- 14:00 **Welcome Introduction:** Chair – Jos Jonkers
- 14:05-14:45 Keynote lecture – Christine J Watson**
(Emeritus Professor of Cell and Cancer Biology, University of Cambridge / Fellow Emerita, Newnham College, Cambridge)
“A journey of morphogenesis and commitment “
- 14:45-15:00 Discussion
- 15:00-16:40 Session 1: Dimensions of development, branching, and morphogenesis**
Chair: Walid Khaled
- 15:00-15:25 **Edouard Hannezo** (Institute of Science and Technology Austria, Vienna, Austria)
“Self-organized models of branching morphogenesis”
- 15:25-15:40 Discussion
- 15:40-16:05 **Renée van Amerongen** (University of Amsterdam, The Netherlands)
“WNT signalling in mammary gland development and cancer”
- 16:05-16:20 Discussion
- 16:20-16:40 **Break**
- 16.40-18.00 Session 2: Novel models and methods for mammary gland studies**
Chair: Colinda Scheele
- 16:40-17:05 **Kate Hughes** (University of Cambridge, UK)
“Non-traditional models: Mammary gland biology through a different lens.”
- 17:05-17:20 Discussion
- 17:20-17:45 **Sandra Schöniger** (DLS, Kassel, Germany)
“Mammary tumors in pet rabbits: Characterization under consideration of comparative pathological aspects”
- 17:45-18:00 Discussion
- 18:00-20:00 Apéro and dinner**
- 20:30 Poster Session 1**



Friday, April 28, 2023

- 07:30- 09:00 Breakfast
- 09:00-12:00 **Session 3: Systemic influences on tumour progression and therapy response**
Chair: Jos Jonkers
- 09:00-09:25 **Emmanuelle Charafe-Jauffret** (Cancer Research Center, Marseille, France)
"Title TBA"
- 09:25-09:40 Discussion
- 09:40-10:05 **Olga Blomberg** (Visser lab, Netherlands Cancer Institute, Amsterdam, The Netherlands)
"Eosinophils and adaptive immune cells cooperate to enhance response to immune checkpoint blockade in breast cancer"
- 10:05-10:20 Discussion
- 10:20-10:40 Break
- 10:40-11:05 **Angela Nieto** (Instituto de Neurociencias (CSIC-UMH), Alicante, Spain)
"Cell plasticity trajectories in breast cancer evolution"
- 11:05-11:20 Discussion
- 11:20-11:35 **Short talk 1- Zuzana Sumbalova Koledova** (Masaryk University, Brno)
"Spatial mapping of stromal microenvironment during mammary branching morphogenesis"
- 11:35-11:40 Discussion
- 11:40-11:55 **Short talk 2 – Marta Ciwinska** (VIB-KU Leuven Center for Cancer Biology)
"Dynamic changes of mammary gland morphology in developmental and adult stages upon oncogenic expression."
- 11:55-12:00 Discussion
- 12:20-13:30 Lunch
- 14:00 **Social outdoor activity:** info see **page 6**
- 18:00 Dinner
- 19:15 **Poster Session 2**
- 21:00 Party



Saturday, April 29, 2023

07:30-09:00 Breakfast

09:00-11:25 Session 4: The mammary microenvironment and tumour progression

Chair: Momo Bentires-Alj

09:00-09:25 Ilaria Malanchi (The Francis Crick Institute, London, UK)

"The Piecemeal Model of metastatic dormancy and reactivation"

09:25-09:40 Discussion

09:40-10:05 Clare Isacke (The Institute of Cancer Research, London, UK)

"Targeting the breast cancer microenvironment"

10:05-10:20 Discussion

10:20-10:45 **Break**

10:45-11:00 Short talk 3 – Amelia Hasenauer (ETH Zurich)

"3D bioprinting with decellularized matrix materials for mammary tissue engineering"

11:00-11:05 Discussion

11:05-11:20 Short talk 4 – Qiang Lan (Institute of Biotechnology, University of Helsinki)

"On growth and form of the mammary gland: Epithelial-mesenchymal interactions in embryonic mammary gland development."

11:20-11:25 Discussion

11:25-11:45 General Discussion followed by De-Ome and Poster Prize

11:45 **Lunch (optional: info see page 6) and Departure**

CONTACT INFO

For organizational questions/accomodation please contact:

Nathalie Laschet nathalie.laschet@unibas.ch

For ECR day/program please contact:

Silke Chalmers silke@biomed.au.dk

Tanne Van der Wal t.vanderwal2@uva.nl

For Scientific/program questions please contact:

Jos Jonkers j.jonkers@nki.nl

Silvia Fre silvia.fre@curie.fr