

Program for BRECT Retreat 1-2 June 2022 at Skogshem & Wijk

Day 1: Wednesday 1st June

11.00 – 11.45 Arrival at Skogshem & Wijk

11.45 – 12.45 Lunch

Session 1

Chair: Theodoros Foukakis

12.50 – 13.00 Welcome and Introduction: Staffan Strömblad, Director of BRECT

13.00 – 13.25 **Kenny Rodriguez-Wallberg**, Dep. of Oncology-Pathology
Can co-treatment with GnRHa during chemotherapy diminish the ovarian toxicity of cancer treatment?

13.30 – 13.55 **Mattias Rantalainen**, Dep. of Medical Epidemiology and Biostatistics
AI-based precision pathology – new approaches for breast cancer patient stratification

14.00 – 14.25 **Anita Göndör**, Dep. of Oncology-Pathology
A perturbed circadian genome organisation: a novel principle in breast cancer

14.30 – 15.00 Coffee break

Session 2

Chair: Theodoros Foukakis

15.00 – 15.25 **Ola Larsson**, Dep. of Oncology-Pathology
A landscape of mRNA translation in breast cancer

15.30 – 15.55 **Margareta Wilhelm**, Dep. of Microbiology, Tumor, and Cell Biology
p73, a master regulator of the tumor microenvironment

16.00 – 16.25 **Janne Lehtiö**, Dep. of Oncology-Pathology
Connecting cancer genotype with molecular phenotype by proteogenomics

16.30 – 16.45 Short break

Session 3

Chair: Linda Lindström

Keynote Lecture

16.45 – 17.30 **Lucy Yates**, Wellcome Trust Sanger Institute, UK
Uncovering the evolutionary patterns underlying breast cancer development and progression

19.00 Dinner

Day 2: Thursday 2nd June

07.00 – 08.30 Breakfast

Session 4

Chair: Staffan Strömblad

08.30 – 08.55 **Linda Lindström**, Dep. of Oncology-Pathology
Identification of tumor characteristics influencing risk for late fatal breast cancer disease

09.00 – 09.15 **Marianne Farnebo**, Dep. of Cell and Molecular Biology
scaRNA controls repair of DNA in cancer cells

09.20 – 09.35 **Xinsong Chen**, Dep. of Oncology-Pathology
An individualized patient model and functional assays to assist breast cancer precision medicine

09.40 – 09.55 **Sara Göransson**, Dep. of Biosciences and Nutrition
Tissue stiffening drives breast cancer progression through the mevalonate pathway

10.00 – 10.30 Coffee break

Session 5

Chair: Staffan Strömblad

10.30 – 10.55 **Arne Östman**, Dep. of Oncology-Pathology
Novel prognostic and response-predictive subsets of cancer-associated fibroblasts

11.00 – 11.15 **Miguel Castresana Aguirre**, Dep. of Oncology-Pathology
Utility of gene signatures for the assignment of adjuvant therapy in elderly breast cancer patients

11.20 – 11.35 **Charlotte Rolny**, Dep. of Oncology-Pathology
Gene expression programs governing tumor-associated macrophage immune-suppressive and pro-metastatic functions

Session 6

Chair: Linda Lindström

Keynote Lecture

11.40 – 12.25 **Seth Coffelt**, University of Glasgow, UK
The pro- and anti-tumor functions of gamma delta T cell subsets in breast cancer

12.30 – 12.35 Wrap-up and next BRECT meeting, Staffan Strömblad, Director of BRECT

12.35 – 13.35 Lunch