

The 17th KICancer/StratCan Retreat September 24-25, 2018

General program

Monday, September 24

08.30 Departure by bus from the City Terminal, Klarabergs-viadukten, Stockholm

09.30 Arrival conference center Djurönäset, Coffee & tea

09.50 – 12.30 Scientific Presentations, Plenary 1

Chairs: Päivi Östling & Martin Bergö

09.50 Opening of meeting & Welcome Remarks.

Keynote Speaker

10.00 – 10.45 **Alexander Eggermont**, *Institute Gustave Roussy, Paris, France*

The Immunotherapy revolution: from melanoma into multiple tumor types

10.50 – 11.02 **Monika Ehnman**, *KI, Dept. of Oncology-Pathology*
Bidirectional cellular reprogramming: An approach to identify candidate drug targets and biomarkers

Invited Short Talk

11.05 – 11.20 **Tobias Nordström**, *KI Dept. of Medical Epidemiology and Biostatistics*

Improving the diagnostic pathway of prostate cancer

Invited Short Talk

11.25 – 11.40 **Henrik Grönberg**, *KI Dept. of Medical Epidemiology and Biostatistics*

Liquid biopsies in prostate cancer

11.45 – 11.57 **Kaisa Lehti**, *KI Dept. of Microbiology, Tumor and Cell Biology*
Integrin $\alpha3\beta1$ - collagen VI axis increases invasive growth and chemotherapy resistance of ovarian cancer cells

12.00 – 12.12 **Johan Holmberg**, *KI Dept. of Cell and Molecular Biology*
Recurrent fusion transcripts occur at high frequency in neuroblastoma

12.15 – 12.27 **Joseph W. Carlson**, *KI Dept. of Oncology-Pathology*
Integrated molecular analysis of undifferentiated uterine sarcomas reveals clinically relevant molecular subtypes

12.30 – 12.40 Photo session (Group photo of all taken outside)

12.45 – 13.45 LUNCH

13.45 – 15.10 Scientific Presentations, Plenary 2

Chairs: Maria Genander & Elias Arnér

Keynote speaker

13.45 – 14.30 **Xin Lu**, *Ludwig Inst. for Cancer Research, University of Oxford, UK*
iASPP, a target selective transcriptional regulator of p53, controls immune tolerance and tumour microenvironment

Invited Short Talk

14.35 – 14.50 **Signe Friesland**, *KI Dept. of Oncology-Pathology*
Head and neck cancer, challenges in individual treatment and future directions.

14.55 – 15.07 **Mattias Rantalainen**, *KI Dept. of Medical Epidemiology and Biostatistics*
The prostate cancer image epidemiology project: towards model-based histopathology

15.10 – 15.40 COFFEE BREAK & **CHECK IN**

15.40 – 16.30 Scientific Presentations, Plenary 3

Chairs: Mattias Rantalainen & Signe Friesland

Invited Short Talk

15.40 – 15.55 **Gisela Barbany**, *KI Dept. of Molecular Medicine and Surgery*
Refining genetic diagnostic procedures in BCP-ALL

Invited speaker

16.00 – 16.10 **Alexander Eggermont**
Cancer Core Europe

Invited speaker

16.10 – 16.30 **Harald Blegen & Jonas Bergh**
Updates of the Theme Cancer & StratCan

16.35 – 17.50 Parallel Break Out Sessions I-V: Scientific talks in sessions I-III + session IV workshop on “Experimental immune therapy” + session V “Meet the scientists”

**Break out session NUMBER ONE (I) in ROOM A House 1,
16.35 – 17.50
“Novel methods/Technologies”**

Chairs: Ulrika Warpman-Berglund & Lars Holmgren

16.35 – 16.47 **Anne-Franziska Guthörl**, *KI Dept. of Oncology-Pathology*
Highly multiplexed immunoprofiling of human cancer tissues on a spatial level through *In Situ* Sequencing (ISS)

16.50 – 17.02 **Bernhard Schmierer**, *KI Dept. of Medical Biochemistry and Biophysics*
CRISPR/Cas9 - genome editing induces a p53-mediated DNA damage response

17.05 – 17.17 **Xiaolu Zhang**, *KI Dept. of Medical Biochemistry and Biophysics*
CUTseq enables quantitative reduced representation sequencing of low input FFPE samples

17.20 – 17.32 **Oscar C. Bedoya-Reina**, *KI Dept. of Microbiology, Tumor and Cell Biology*
Understanding tumor heterogeneity of pheochromocytoma and neuroblastoma using single cell sequencing

17.35 – 17.47 **Mercedes Herrera**, *KI Dept. of Oncology-Pathology*
Identification of novel marker-defined cancer associated fibroblast subsets through single cell RNA sequencing in colorectal cancer

**Break out session NUMBER TWO (II) in ROOM A House 2,
16.35 – 17.50**

“Tumor microenvironment”

Chairs: Margareta Wilhelm & Bertrand Joseph

- 16.35 – 16.47 **Milos Gojkovic**, *KI Dept. of Cell and Molecular Biology*
The role of myeloid hypoxia response in tumor progression
- 16.50 – 17.02 **Maria Genander**, *KI Dept. of Cell and Molecular Biology*
Progenitor cell heterogeneity within the oesophageal epithelium
- 17.05 – 17.17 **Nicolas Fritz**, *KI Dept. of Microbiology, Tumor and Cell Biology*
Elucidating the role of IMPDH2 assemblies for the regulation of p53 activity upon GTP depletion
- 17.20 – 17.32 **Clotilde Wiel**, *KI Dept. of Biosciences and Nutrition*
On the mechanism underlying antioxidant-induced lung cancer metastasis
- 17.35 – 17.47 **Johanna Wolfsberger**, *Dept. of Microbiology, Tumor and Cell Biology*
TAp73 loss results in elevated levels of CCL2 and higher macrophage infiltration into the tumor microenvironment

**Break out session NUMBER THREE (III) in ROOM A House 3,
16.35 – 17.50**

“Diagnosis/Therapies”

Chairs: Joseph Carlson & Kamila Czene

- 16.35 – 16.47 **Cecilia Radkiewicz**, *KI Dept. of Medical Epidemiology and Biostatistics*
Sex differences in non-small cell lung cancer survival
- 16.50 – 17.02 **Arian Lundberg**, *KI Dept. of Oncology-Pathology*
The prognostic and predictive capacity of cyclin D1 gene amplification in 2 305 breast tumors

17.05 – 17.17 **Inderpreet Sur**, *KI Dept. of Medical Biochemistry and Biophysics*

Small molecule screen for compounds inhibiting cancer-specific regulatory element upstream of c-MYC oncogene

17.20 – 17.32 **Ravi Saini**, *KI Dept. of Oncology-Pathology*

Ephrin B3 and associated Eph receptors as drivers of epidermal growth factor receptor-based targeted therapy in non-small cell lung cancer

17.35 – 17.47 **Joman Javadi**, *Dept. of Laboratory Medicine*

Multiplex soluble biomarker analysis from pleural effusion

**Break out session NUMBER FOUR (IV) in ROOM A House 6,
16.35 – 17.50**

“Workshop on experimental immune therapy”

Chair: Andreas Lundqvist

Interactive discussion and short presentations by **Alexander Eggermont**, **Rolf Kiessling**, **Pedro Velica**, **Georgios Rassidakis** and **Stephan Mielke**.

**Break out session NUMBER FIVE (V) in ROOM E House 1,
16.35 – 17.50**

“Meet the scientists”

Informal student discussion on Science and its boundaries with **Xin Lu**, *Oxford* and **Pierre Hainaut**, *Lausanne*

Organized by the PhD training program in Tumor Biology and Oncology, FoTO and the clinical research training school NatiOn; **coordinator** Ingemar Ernberg

18.15 – DINNER

19.30 – 20.00 Mounting of posters

20.00 – 22.00 Poster session with discussions & mingle

Tuesday, September 25

07.30 – 08.45 BREAKFAST & CHECK OUT

09.00 – 10.15 Scientific Presentations, Plenary 4

Chairs: Kaisa Lehti & Staffan Strömblad

Invited Speaker

09.00 – 09.20 **Max Wellenstein**, *Netherlands Cancer Institute, Amsterdam*
The genetic makeup of breast tumors dictates pro-metastatic systemic inflammation

Invited Short Talk

09.25 – 09.40 **Jana de Boniface**, *KI Dept. of Molecular Medicine and Surgery*
Modern axillary surgery in breast cancer - is less more?

09.45 – 09.57 **Marie Arsenian Henriksson**, *KI Dept. of Microbiology, Tumor and Cell Biology*
MYCN mediated metabolic processes in MYCN-amplified neuroblastoma

Invited Short Talk

10.00 – 10.15 **Olof Akre**, *KI Dept. of Molecular Medicine and Surgery*
The PROMORT study: using Swedish infrastructure to assess predictors of mortality in prostate cancer

10.20 - 10.50 COFFEE BREAK

10.50 – 11.30 Scientific Presentations, Plenary 5

Chairs: Johan Holmberg & Sonia Lain

Invited Short talk

10.50 – 11.05 **Karin Ekström Smedby**, *KI Dept. of Medicine Solna*
Etiology and prognosis of lymphoma subtypes – recent developments and unmet needs

11.10 – 11.22 **Klas G. Wiman**, *KI Dept. of Oncology-Pathology*
Cancer therapy by targeting mutant p53 - from molecular biology to clinical trials

11.30 – 12.30 LUNCH

12.30 – 14.00 Scientific Presentations, Plenary 6

Chairs: Rainer Heuchel & Galina Selivanova

Keynote Speaker

12.30 – 13.15 **Pierre Hainaut**, *University of Grenoble, France*
Molecular rationales for cancer prevention

Invited Short Talk

13.20 – 13.35 **Kei Takahashi**, *University of Tokyo, Japan*
Various applications of tissue clearing technology in cancer research

Invited Short Talk

13.40 – 13.55 **Per Uhlén**, *KI Dept. of Medical Biochemistry and Biophysics*
Volumetric imaging of whole-tumors reveals cancer malignancy

14.00 – 14.30 COFFEE BREAK

14.30 – 15.15 Scientific Presentations, Plenary 7

Chairs: Jonas Fuxe & Marie Arsenian Henriksson

Invited Short talk

14.30 – 14.45 **Georgios Rassidakis**, *KI Dept. of Oncology-Pathology*
Transcriptional and post-translational regulation of PD-L1 in lymphomas

14.50 – 15.02 **Nina Gustafsson, Nadilly Bonagas**, *KI Dept. of Oncology-Pathology*
Targeting Metabolic Remodeling in AML

Invited Short talk

15.05 – 15.20 **Jiri Bartek**, *KI Dept. of Medical Biochemistry & Biophysics*
Understanding and targeting stress-response vulnerabilities in cancer

- 15.25 – 15.37 **Ingemar Ernberg**, *KI Dept. of Microbiology, Tumor Biology and Cell Biology*
Intercellular cancer cell heterogeneity beyond genes and epigenetics explored using EBV-carrying cell lines
- 15.40 **Conclusions; Poster prizes**
- 16.00 Bus departure
- 17.00 appr Arrival Stockholm City Terminal