

Program for the 5th Swedish Cancer Research Meeting 2019 in Umeå

Thursday October 3

09.00-10.00 Registration & coffee/ poster hanging for POSTER SESSION 1 and 2

10.00-10.15 Welcome words by Beatrice Melin. Room: Idun

KEYNOTE **Elisabeth De Vries**, University of Groningen, The Netherlands

10.15-11.00 *Title: Immunotherapy and therapy prediction / PET imaging, PD-L1*

Chair: Katrine Riklund, Umeå. Room: Idun

PLENARY 1 **Tumor Immunology and Immunotherapy**

Chair: Kristian Pietras, Lund. Room: Idun

11.00-11.30 **Alexandra Gabriela Ferreira**, Lund

Title: Inducing antigen presentation in cancer cells through dendritic cell reprogramming

11.30-12.00 **Robin Fåhraeus**, Umeå

Title: The origin of neoantigens for the MHC class I pathway

12.00-13.15 LUNCH/ poster hanging for POSTER SESSION 1 and 2

13.15-14.10 **WORKSHOPS 1-3**

WS 1	WS 2	WS 3
Theme: Preclinical and Translational Cancer Research	Theme: Tumor Microenvironment	Theme: Imaging Strategies
Chair: Ruth Palmer, Göteborg	Chair: Arne Östman, Stockholm	Chair: Hanna Nyström, Umeå
Room: Idun	Room: Grim	Room: Petterson-Berger

<p>13.15-13.35</p> <p>Yabing Mu, Umeå</p> <p>PKCζ facilitates lymphatic metastatic spread of prostate cancer cells in a mice xenograft model</p>	<p>13.15-13.35</p> <p>Tracy Berg, Lund</p> <p>The irradiated brain microenvironment supports tumor stemness, growth and survival via astrocyte-derived Transglutaminase 2</p>	<p>13.15-13.35</p> <p>Ying Zhao, Stockholm</p> <p>Core-shell structured gold nanoparticles for multimodality imaging</p>
<p>13.35-13.55</p> <p>Muhammad Kashif, Stockholm</p> <p>Redox regulation of malignant melanoma metastasis</p>	<p>13.35-13.55</p> <p>Matteo Bocci, Lund</p> <p>Inhibition of endothelial ALK1 promotes immune anti-tumor activity in experimental metastatic breast cancer</p>	<p>13.35-13.55</p> <p>Miriam Rutegård, Umeå</p> <p>Hybrid PET/MRI for local assessment of rectal cancer – a methodological approach for matching MRI to histopathology</p>
<p>13.55-14.10 (short talk)</p> <p>Sofie Mohlin, Lund</p> <p>Cancer-associated HIF-2a regulates trunk neural crest stem cell behavior during embryogenesis</p>	<p>13.55-14.10 (short talk)</p> <p>Anna Bergonzini, Umeå</p> <p>Infection with genotoxin-producing Salmonella enterica synergises with loss of the tumor suppressor APC in promoting genomic instability via the PI3K pathway in colonic epithelium</p>	<p>13.55-14.10 (short talk)</p> <p>Klara Hammarström, Uppsala</p> <p>Determining the use of preoperative (chemo)radiotherapy in primary rectal cancer according to national and international guidelines</p>

- 14.15-14.45 COFFEE
- KEYNOTE** **Johan Lundin**, University of Helsinki, Finland / Karolinska Institutet, Stockholm, Sweden
14.45-15.30
Title: Artificial intelligence for improvement in diagnostics
Chair: Jonas Bergh, Stockholm. Room: Idun
- PLENARY 2** **Artificial Intelligence in diagnostics**
Chair: Tobias Sjöblom, Uppsala. Room: Idun
- 15.30-16.00 **Iurii Petrov**, Stockholm
Title: Novel tools for analyzing cancer omics data online
- 16.00-16.30 **Priyantha Wijayatunga**, Umeå
Title: Probabilistic network models for predicting clinical status of patients
- 16.45-18.00 **POSTER SESSION 1**
- 19.00 CONFERENCE DINNER at restaurant Äpplet, Folkets Hus, Umeå

Friday October 4

- KEYNOTE** **Johan Skog**, Exosome Diagnostics, Boston, USA
08.30-09.15
Title: Exosomes and liquid biopsies in diagnostics
Chair: Anders Bergh, Umeå. Room: Idun
- PLENARY 3** **Cancer Biomarkers for Screening**
Chair: Mikael Johansson, Umeå. Room: Idun
- 09.15-09.45 **Jonas Nilsson**, Umeå
Title: Circulating biomarkers with the ability to predict and monitoring therapeutic response in CRPC
- 09.45-10.15 **Andrey Alexeyenko**, Stockholm
Title: Robust prediction of sensitivity to anti-cancer drugs using network integration of molecular data
- 10.15-10.45 COFFEE

WS 4 Theme: Cancer Genomics and Genome Editing Chair: Matthias Löhr, Stockholm Room: Petterson-Berger	WS 5 Theme: Expression Studies/Metabolomics Chair: Bethany Van Guelpen, Umeå Room: Grim	WS 6 Theme: Molecular Pathology Chair: Håkan Hedman, Umeå Room: Idun
10.45-11.05 Elin Thysell, Umeå Integrated DNA methylation and gene expression analysis of molecular heterogeneity in prostate cancer bone metastases	10.45-11.05 Justin Harbs, Umeå Circulating sex hormone levels and DNA methylation in blood – analysis of repeated samples from men in the Västerbotten Intervention Program	10.45-11.05 Christian Brueffer, Lund Defining the Mutational Landscape of the Primary Breast Cancer Transcriptome through large-scale RNA-seq in the Sweden Cancerome Analysis Network-Breast (SCAN-B) Project
11.05-11.25 Allegra Lord, Stockholm CRISPR/Cas9 screening at the High Throughput Genome Engineering facility	11.05-11.25 Lina Wik Leiss, Stockholm Peritumoral PDGFR α + / GFAP+ astrocytes are associated with shorter median overall survival in glioblastoma patients	11.05-11.25 Anna Karlsson, Lund A single sample predictor of transcriptional lung adenocarcinoma subtypes: predicting biology and prognosis
11.25-11.40 (short talk)	11.25-11.40 (short talk)	10.25-11.40 (short talk)

Sofie Degerman Umeå	Benny Björkblom, Umeå	Carina Strell, Uppsala
DNA methylation defined CpG Island Methylator Phenotype (CIMP) subgroups in T-cell Acute Lymphoblastic Leukemia are associated with prognosis and dysregulated transcriptome profiles	Metabolic response patterns in brain microdialysis fluids and serum during interstitial cisplatin treatment of high-grade glioma	High expression stromal PDGFRb predicts absence of benefit of postoperative radiotherapy in breast DCIS within the randomized SwedDCIS trial

11.45-12.45 LUNCH

12.45-14.00 **POSTER SESSION 2**

KEYNOTE **Tobias Sjöblom, Uppsala University, Sweden**

14.00-14.45 *Title: Cancer biomarkers: Turning defeat to victory*

Chair: Kjell Grankvist. Room: Idun

14.45-15.00 Closing remarks by Beatrice Melin. Room: Idun