



Karolinska  
Institutet



LUCC  
CANCER CENTRE



UPPSALA  
UNIVERSITET



UNIVERSITY OF  
GOTHENBURG

## 6th Swedish Cancer Research Meeting

May 16–17, 2023

Aula Medica, Stockholm Solna

### Tuesday, 16<sup>th</sup> of May 2023

9.00-10.00 Registration & coffee (poster hanging)  
10.00-10.15 Welcome words by Prof. Jonas Bergh, Director Cancer Research KI, Karolinska Institutet  
**Venue:** Erling Persson salen, Aula Medica, Solna

**Keynote** Chairs: Maréne Landström Umeå University and Rainer Heuchel Karolinska Institutet

---

10.15-11.00 Title: Advancing prostate cancer care  
Prof. Johann De Bono, The Institute of Cancer Research, London

---

### Plenary 1 **Mechanisms and experimental models in cancer**

11.00-11.30 Title: Exploring the role of tertiary lymphoid structures in melanoma  
Prof. Göran Jönsson Ph.D., Lund University

11.30-12.00 Title: Targeting tumor-stromal interactions in pancreatic cancer  
Assistant Prof. Daniel Öhlund, Umeå Universitet

**12.00-13.15 Lunch**

**13.15-14.35 Break-out sessions 1-3** Speakers from abstracts in 3 predefined topics and 2 extra ones that will appear after abstract submission

Break-out session 1	Break-out session 2	Break-out session 3
<b>Spatial transcriptomics</b> Location: Erling Persson-salen, Aula Medica	<b>Epigenetics and cell plasticity</b> Location: Eva & Georg Klein, Biomedicum	<b>Childhood cancer</b> Location: Andreas Vesalius, Berzelius väg 3
Chairs: Evangelia Sereti, Lund University and Dhifaf Sarhan, Karolinska Institutet	Chairs: Erik Larsson Lekholm, University of Gothenburg and Jonas Nilsson, Umeå University	Chairs: Lene Uhrbom, Uppsala University and Mattias Andersson, University of Gothenburg

<p><u>13.15-13:35</u> <b>Title:</b> Using in situ sequencing to spatially characterize the cellular, genetic and molecular heterogeneity of solid tumors <b>Mats Nilsson</b>, SciLifeLab</p>	<p><u>13.15-13:35</u> <b>Title:</b> Rewiring of the enhancer landscape and 3D chromatin organisation in glioblastoma underlie the neuron-to-glioma synaptic communication <b>Silvia Remeseiro</b>, Umeå University</p>	<p><u>13.15-13:35</u> <b>Title:</b> Uncovering the origin of chromosomal gains in childhood leukemia by single cell sequencing and in silico modeling <b>Kajsa Paulsson</b>, Lund University.</p>
<p><u>13:35-13:55</u> <b>Title:</b> Phenotypic characterization of spatial immune infiltration niches in non-small cell lung cancer <b>Anna Gerdtsen</b>, Lund University</p>	<p><u>13:35-13:55</u> <b>Title:</b> Epigenetic mechanisms and vulnerabilities in acute myeloid leukemia <b>Andreas Lennartsson</b>, Karolinska Institutet</p>	<p><u>13:35-13:55</u> <b>Title:</b> Childhood brain tumor development and mechanisms of therapy resistance <b>Fredrik Swartling</b>, Uppsala University</p>
<p><u>13:55-14:15</u> <b>Title:</b> Identifying cell type-specific proliferation signatures in spatial transcriptomics data and inferring interactions driving tumor growth <b>Felix Waern</b>, SciLifeLab</p>	<p><u>13:55-14:15</u> <b>Title:</b> Decoding the cancer microenvironment in cancer drug development and optimized diagnostics <b>Göran Landberg</b>, University of Gothenburg</p>	<p><u>13:55-14:15</u> <b>Title:</b> Paediatric oncology in the omics era <b>Klas Blomgren</b>, Karolinska Institutet</p>
<p><u>14:15-14:35</u> <b>Title:</b> Neural-network learning-based deconstruction of the developmental genetic programs in glioblastoma and neuroblastoma <b>Yizhou Hu</b>, Karolinska Institutet</p>	<p><u>14:15-14:35</u> <b>Title:</b> Radiotherapy- and hypoxia-induced remodeling of the brain tumor microenvironment <b>Alexander Pietras</b>, Lund University</p>	<p><u>14:15-14:35</u> <b>Title:</b> Molecular mechanisms underlying ATR/ALK inhibition in ALK-driven neuroblastoma models <b>Bengt Hallberg</b> University of Gothenburg</p>

**Keynote**

Chairs: Tobias Sjöblom, Uppsala University and Elin Schoultz, University of Gothenburg

14.45-15.30

Title: Tumor intrinsic immunity: mismatch repair deficiency as a model system  
Dr. Luis Diaz, Memorial Sloan-Kettering Cancer Center

15.30-16.00

Coffee

---

**Plenary 2                    Immuno-oncology**


---

16.00-16.30            Title: Targeting NOX2 and myeloid derived suppressor cells in cancer  
Associate Prof. Anna Martner, University of Gothenburg

16.30-17.00            Title: CAR T-cell experiences in Sweden/Uppsala  
Prof. Gunilla Enblad, Uppsala University

---

**17.00-18.00                Poster session 1**


---

**Snacks and drinks**

18.15                    Mingel dinner at Aula Medica

**Wednesday, 17<sup>th</sup> of May 2023**

**Keynote**                    Chairs: Jonas Bergh, Karolinska Institutet and Yvonne Ceder,  
Lund University

---

08.30-09.15            **Title:** The Evolution of the I-SPY 2 Platform Trial and the Transition to a  
More Patient Centered Design  
Prof. Laura J. Esserman, University of California, San Francisco

---

**Plenary 3                    Precision Cancer Medicine**


---

09.15-9.45             Title: Harnessing the Power of Genomics for Improved Precision  
Medicine in AML  
Prof. Thoas Fioretos, Lund University

9.45-10.15             Title: Data-driven cancer hallmarks for diagnostics and precision therapy  
Prof. Olli Kallioniemi SciLifeLab and Karolinska Institutet

**10.15-10.40                Coffee**

**10.40-12.00                Break-out sessions 4-6** Speakers from abstracts in 1 predefined topic  
plus two new topics based on abstracts received

---

<p>Break-out session 4</p> <p><b>Microbiome and inflammation in cancer</b> Location: Sune Bergström aula, BioClinicum</p> <p>Chairs: Sylvain Peugot, Karolinska Institutet and Sun Nyunt Wai, Umeå University</p>	<p>Break-out session 5</p> <p><b>Tumor microenvironment and immunity</b> Location: Erling Persson-salen, Aula Medica</p> <p>Chairs: Tommy Lidström, Umeå University and Sophie Lehn, Lund University</p>	<p>Break-out session 6</p> <p><b>Cell programs, biomarkers and novel treatments</b> Location: Eva &amp; Georg Klein, Biomedicum</p> <p>Chairs: Kerryn Elliott University of Gothenburg and Maria Ulvmar, Uppsala University</p>
---	--	---



<p><u>10.40-11.00</u> <b>Title:</b> Microbiome in cancer <b>Juan Du</b>, Karolinska Institutet</p>	<p><u>10.40-11.00</u> <b>Title:</b> Cancer-associated fibroblast heterogeneity in pancreatic ductal adenocarcinoma <b>Cedric Patthey</b>, Umeå University</p>	<p><u>10.40-11.00</u> <b>Title:</b> Sequential drug treatment targeting cell cycle and cell fate regulatory programs blocks non-genetic cancer evolution in acute lymphoblastic leukemia <b>Alena Malyukova</b>, Karolinska Institutet</p>
<p><u>11:00-11:20</u> <b>Title:</b> Immune microenvironment in cancer and microbes: a dangerous liaison <b>Teresa Frisan</b>, Umeå University</p>	<p><u>11:00-11:20</u> <b>Title:</b> MNK1/2-eIF4E signaling in cancer-associated fibroblasts modulates the tumor microenvironment and promotes lung metastasis <b>Margarita Bartish</b>, Karolinska Institutet</p>	<p><u>11:00-11:20</u> <b>Title:</b> Pan-cancer analyses of whole genomes using evolutionary constraint to identify non-coding regulatory drivers <b>Suvi Mäkeläinen</b>, Uppsala University</p>
<p><u>11:20-11:40</u> <b>Title:</b> Tumor-associated microbiome composition and response to neoadjuvant chemotherapy (NACT) in early triple negative breast cancer (TNBC) <b>Andri Papakonstantinou</b>, Karolinska Institutet</p>	<p><u>11:20-11:40</u> <b>Title:</b> In Vivo Cell Fate Reprogramming Elicits Anti-tumor Immunity <b>Ervin Ascic</b>, Lund university</p>	<p><u>11:20-11:40</u> <b>Title:</b> Personalized analysis of circulating tumor DNA: A novel biomarker in childhood malignancies <b>Martin Dalin</b>, University of Gothenburg</p>
<p><u>11:40-12:00</u> <b>Title:</b> Modulation of cancer cell signalling by secreted bacterial factors <b>Sun Nyunt Wai</b>, Umeå University</p>	<p><u>11:40-12:00</u> <b>Title:</b> MYC determines the outcome of pro-senescence cancer therapy by regulating immune surveillance <b>Lars-Gunnar Larsson</b>, Karolinska Institutet</p>	<p><u>11:40-12:00</u> <b>Title:</b> MYC-driven pineoblastoma, medulloblastoma and retinoblastoma share a common photoreceptor development program in the brain <b>Miao Zhao</b>, Uppsala University</p>

---

<b>12.00-13.00</b>	<b>Lunch</b> <b>Aula Medica</b>
<b>13.00-14.10</b>	<b>Poster session 2</b>
<b>Keynote</b>	Chair: Prof. Sophia Zackrisson, Lund University and Verónica Rendo, Uppsala University
14.15-15.00	Title: The future of cancer imaging Prof. Regina Beets-Tan Netherlands Cancer Institute in Amsterdam
15.00-15.15	Closing remarks

---

Please note that the programme will be updated and that this is not the final version.