



## The XX Cancer Research KI Retreat Sep 25-26<sup>th</sup> 2023 General program outline

### Event Overview

#### Monday, September 25:

- Bus from Stockholm City 8:30
- Arrival, coffee and registration 9:30
- Welcome and introduction 10:05
- Morning sessions 10:15
- Group photo 12:15
- Lunch 12:30
- Afternoon session 13:30
- Coffee break and check in 15:35
- Breakout session 16:15
- Mingle and welcome drink 17:45
- Dinner 18:30
- Poster session 20:00

#### Tuesday, September 26:

- Breakfast and check out 7:30
- Morning session 9:00
- Coffee break 10:00
- Lunch 11:30
- Afternoon session 12:30
- Coffee break 14:15
- Bus departure 16:00
- Arrival Stockholm City 17:00

#### Keynote Speakers

- Matthew Goetz *PhD*, Mayo Clinic
- María A. Blasco *PhD*, Spanish National Cancer Research Centre
- Juha Klefström *PhD*, University of Helsinki

#### Local Planning Committee

- Johanna Ungerstedt
- Matthias Löhr
- Margareta Wilhelm
- Elias Arnér
- Kamila Czene
- Johanna Furuhjelm
- Dina Dabaghie



## Program

### Monday, September 25

- 08:30** Departure by bus from the City Terminal, Klarabergs-  
viadukten, Stockholm
- 09:30** Arrival conference center Djurönäset
- 10:05 – 12:10** Morning session
- 10:05 - 10:15** **Opening of meeting & Welcome Remarks**  
*Jonas Bergh + Ingemar Ernberg*  
*Chairs: Klas Wiman and Judit Liano Pons*
- 10:15 – 11:00** **Opening keynote**  
Maria Blasco, Spanish National Cancer Research Centre  
*Telomere-originated genomic instability at the origin of cancer and aging*
- 11:00 – 11:30** **Invited guest**  
Malin Sund, Umeå University/University of Helsinki  
*Early detection of pancreatic cancer using pre-diagnostic plasma samples*
- Invited short talks**  
*Chairs: Yvonne Wengström and Carolina Maya Gonzalez*
- 11:30 – 11:45** Poya Ghorbani, Department of Clinical Science, Intervention and  
Technology  
*Intraductal papillary mucinous neoplasm (IPMN)– a friend or a foe in the battle against pancreatic cancer?*
- 11:45 – 12:00** Helen Kaipe, Department of Laboratory Medicine  
*Cancer-associated fibroblasts and tumor-infiltrating T cells in human pancreatic cancer*
- 12:00 – 12:15** Charlotte Rolny, Department of Oncology-Pathology  
*Reprogramming Tumor-Associated Macrophages into an immunostimulatory and anti-metastatic phenotype by targeting MNK2*
- 12:15 – 12:30** **Photo session** (Group photo of all taken outside)
- 12:30 – 13:30** Lunch
- 13:30 – 15:35** **Afternoon session**  
*Chair: Jonas Bergh*
- 13:30 – 14:15** **Keynote speaker**  
Matthew Goetz, Mayo Clinic  
*Selective estrogen receptor modulators for hormone receptor positive breast cancer. Back to the future?*
- Invited short talks**  
*Chairs: Johanna Ungerstedt and Niek Van Bree*
- 14:15 – 14:30** Nikolas Herold, Department of Women's and Children's Health  
*Targeting drug resistance: a translational oncology approach*
- 14:30 – 14:45** Camilla Engblom, Department of Cell and Molecular Biology  
*Mapping B and T cell receptors using spatial transcriptomics*
- 14:45 – 15:00** Blaz Oder, Department of Molecular Medicine and Surgery



*The BAF chromatin remodeling complex is a novel target of spliceosome dysregulation in SF3B1-mutated chronic lymphocytic leukemia*

**15:00 – 15:15** Award of Dan Granders Prize  
Karin Dembrower, Dept. of Oncology-Pathology  
“Deep Learning in Breast Cancer Screening”

**15:15 – 15:35** Selected posters pitching  
*Moderator: Margareta Wilhelm*

**15:35 – 16:15** Coffee and check in

**16:15 – 17:45** Breakout session

<p><b>Spatial transcriptomics - methodology to study the tumor ecosystem.</b></p> <p><b>Moderator:</b> <i>Jonas Fuxe</i></p> <ul style="list-style-type: none"> <li>• Joakim Lundeberg</li> <li>• Per Uhlen</li> <li>• Alejandro Mossi Albiach</li> </ul>	<p><b>From academia to industry and how to collaborate?</b></p> <p><b>Moderator:</b> <i>Elias Arnér</i></p> <ul style="list-style-type: none"> <li>• NeoGAP</li> <li>• Cancer Research Horizons</li> <li>• Thioredoxin Systems AB</li> <li>• SeLENOZYME</li> </ul>	<p><b>Artificial Intelligence in cancer research in KI</b></p> <p><b>Moderator:</b> <i>Benedek Bozoky</i></p> <ul style="list-style-type: none"> <li>• StratiPath</li> <li>• Fredrik Strand</li> <li>• Abhinav Sharma</li> </ul>	<p><b>Meet the scientist</b></p> <p><b>Moderators:</b> <i>Johanna Ungerstedt Kamilla Czene</i></p> <ul style="list-style-type: none"> <li>• Matthew Goetz</li> <li>• Juha Klefström</li> </ul>
<i>Room: Conference room 1A</i>	<i>Room: Conference room 2A</i>	<i>Room: Conference room 5A</i>	<i>Room: TBD</i>

**17:45 – 18:30** Mingle and welcome  
**Location:**  
**Mounting of posters**

**18:30 – 20:00** Dinner

**20:00 – 22:00** Poster session



## Tuesday, 26

**07:30 – 08:45 Breakfast and check out**

**09:00 – 12:00 Morning session**

*Chairs: Linda Lindström and Mireia Cruz De Los Santos*

**09:00 – 09:15 Cancer Research KI + Doctoral Programme in Tumour Biology and Oncology (FoTO)**

**09:15 – 09:45 Invited guest**

*Patrik Rossi*

*Karolinska Comprehensive Cancer Center, -What's in it for us?*

**Invited short talks**

**09:45 - 10:00**

Olof Akre, Department of Molecular Medicine and Surgery  
*SPCG-15 – Primary radical prostatectomy versus radiotherapy for locally advanced prostate cancer: an open randomized clinical trial”*

**10:00 – 10:30**

**Coffee break**

**Invited short talks**

*Chairs: Ioannis Zerdas and Mark Zupancic*

**10:30 – 10:45**

Dhifaf Sarhan, Department of Laboratory Medicine  
*Sex immune dimorphism in cancer – towards gender-optimized (Genderized) immunotherapy*

**10:45 - 11:00**

Ning Xu Landén, Department of Medicine Solna  
*Radiation memory compromises skin wound repair capacity of dermal fibroblasts in cancer patients*

**11:00 – 11:15**

Helene Rundqvist, Department of Laboratory Medicine  
*Exercise induced immune modulation – consequences for tumor progression*

**11:15 – 11:30**

Emma Tham, Department of Molecular Medicine and Surgery  
*Cell-free DNA as a biomarker in cancer*

**11:30 – 12:30**

**Lunch**

**Afternoon session**

*Chairs: Mikael Karlsson and Manouk Bronte Verhoeven*

**12:30 - 13:15**

**Keynote speaker**

Juha Klefström, University of Helsinki  
*Activating resident tumor immunity through MYC-directed synthetic lethal strategies*

**Invited short talks**

**13:15 – 13:30**

Marco Gerling, Department of Biosciences and Nutrition  
*Tumor growth through efficient cell competition at tumor invasion fronts*

**13:30 – 13:45**

Bethel Embaie, Department of Women's and Children's Health  
*Deciphering the transcriptomic landscape of a neuroblastoma transgenic mouse model*

**13:45 – 14:00**

Meis Omran, Department of Oncology-Pathology  
*Whole-body MRI surveillance in TP53 carriers is perceived as beneficial with no increase in cancer worry regardless of previous cancer – data from the SWEP53 study*

**14:00 – 14:15**

Hanna Brauner, Department of Medicine, Solna  
*Skin infiltrating NK cells in cutaneous T-cell lymphoma are increased in number and display phenotypic alterations partially driven by the tumor*



**14:15 – 14:45 Coffee**

**Invited short talks**

*Chairs: Simon Ekman and Paula Hahn*

**14:45 15:00**

Maximilian Kordes, Department of Clinical Science, Intervention and Technology

*Extracellular vesicles are the primary source of blood-borne tumor-derived mutant KRAS DNA early in pancreatic cancer*

**15:00 – 15:15**

Klas Bratteby, Department of Oncology-Pathology

*Preclinical evaluation of [<sup>67</sup>Zr]Zr-DFO\*-sacituzumab, a PET tracer for imaging of whole body TROP-2 expression as a potential selection tool for treatment with TROP-2 antibody drug conjugates (ADC)*

**15:15 – 15:30**

Brinton Seashore-Ludlow, Department of Oncology-Pathology

*The Drug Efficacy Testing in Ex Vivo 3D Cultures (DETECT) platform enables rapid identification of effective drugs and drug combinations for ovarian cancer patients*

**15:30**

**Conclusions; Poster prizes**

**16:00**

**Bus departure**

**17:00**

**Arrival to Stockholm**