

Monday, February 17

08:30 Bus departs from Stockholm Cityterminalen

09:15 Arrival, coffee and registration

09:45 – 10:10 **Welcome + Presentation of CRKI**

Linda Lindström, Elias Arnér

10:10 – 10:25 **"Fast-Track Collaboration Challenge" Kickoff and Practical Overview**

Dhifaf Sarhan

10:25 – 11:25 **Morning Session 1**

Chairs: Margareta Wilhelm, Anna Nilsson

10:25 – 10:35 Niklas Björkström, Dept. of Medicine, Huddinge

Title: Spatial organization of cytotoxic lymphocytes in the tumor microenvironment as a predictor for treatment response and prognosis in cancer with poor outcome

10:40 – 10:50 Twana Alkasalias, Dept. of Women's and Children's Health

Title: Innovative ex-vivo models for unraveling early cancer initiation in women: Towards targeted prevention strategies

10:55 – 11:05 Kirsty Spalding, Dept. of Cell and Molecular Biology

Title: The impact of adipocyte senescence in breast cancer progression

11:10 – 11:20 Kristina Viktorsson, Dept. of Oncology-Pathology

Title: Non-small cell lung cancer- exploring the Ephrin/Eph signaling axis and extracellular vesicle protein cargo in context of precision cancer medicine and immune checkpoint blockade

11:25 – 11:50 **Coffee Break**

11:50 – 12:50 **Morning Session 2**

Chairs: Keith Humphreys, Therese Andersson

11:50 – 12:00 Anna Johansson, Dept. of Medical Epidemiology and Biostatistics

Title: Identifying risk and prognostic factors for breast cancer in the population-based setting

12:05 – 12:15 Hanna Brauner, Dept. of Medicine, Solna

Title: Determining disease trajectories in cutaneous lymphoma

12:20 – 12:30 Shaohua Xie, Dept. of Molecular Medicine and Surgery

Title: Risk-adapted prevention of upper gastrointestinal cancer

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- 12:35 – 12:45 **Mattias Rantalainen**, Dept. of Epidemiology and Biostatistics
Title: AI-based precision pathology – scalable solutions for cancer patient stratification and phenotyping
- 12:50 – 13:50 **Group Photo + Lunch**
- 13:50 – 15:05 **Afternoon Session 1: Personalized Cancer Medicine and Clinical Trials**
Chair: Dhifaf Sarhan
- 13:50 – 14:20 **Jeffrey Yachnin**
Title: Personalized Cancer Medicine: Not great so far but it can be!
- 14:20 – 15:05 **Panel Discussion** (Jeffrey Yachnin, Theodoros Foukakis, Richard Rosenquist Brandell, Matthias Löhner, TBA)
- 15:05 – 15:35 **Coffee Break and Check in**
- 15:35 – 16:50 **Afternoon Session 2**
Chairs: Nico Dantuma, Hanna Brauner
- 15:35 – 15:45 **Amir Ata Saei**, Dept. of Microbiology, Tumor and Cell Biology
Title: Identifying and targeting the tumorigenic functions of oncometabolites in cancer
- 15:50 – 16:00 **Avlant Nilsson**, Dept. of Cell and Molecular Biology
Title: Predicting cancer mechanisms with deep learning
- 16:05 – 16:15 **Bennie Lemmens**, Dept. of Medical Biochemistry and Biophysics
Title: Direct visualisation and control of DNA replication initiation in single human cells reveals new mechanisms of action of targeted cancer treatments
- 16:20 – 16:30 **Cecilia Williams**, Dept. of Medicine, Huddinge
Title: How estrogens regulate sex differences of the colon, its cancer, microbiome, and the immune microenvironment
- 16:35 – 16:45 **Eduardo Villablanca**, Dept. of Medicine, Solna
Title: Liver X Receptor unlinks intestinal regeneration and tumorigenesis
- 16:50 – 17:20 **Coffee Break**

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17:20 – 18:00 **Elevator Pitch**

Chair: Stefina Milanova

Adamantia Fragkopoulou
Andreas Lundqvist
Carlos Rodrigues
Caroline Palm Apergi
Daniel Hagey
Fredrik Wermeling
Hans Grönlund
Hassan Abolhassani
Klas Blomgren
Klas Wiman
Marie Arsenian Henriksson
Nicola Crosetto
Sean Rudd
Thomas Helleday

18:00 – 19:00 **Mingle**

19:00 - Late **Dinner, followed by continued mingle**



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07:00 **Breakfast and Check-Out**

08:30 - 10:00 **Morning Session 1**

Chairs: Ninib Baryawno, Marco Gerling

08:30 – 08:40 **Federico Pietrocola**, Dept. of Cell and Molecular Biology

Title: Senescence-based immunotherapy for cancer prevention and treatment

08:45 – 08:55 **Jean Hausser**, Dept. of Cell and Molecular Biology

Title: Machine-learning of cancer-host interactions to target in therapy from multi-omics

09:00 – 09:10 **Sergio Martinez Høyer**, Dept. of Microbiology, Tumor and Cell Biology

Title: Regulation of normal and malignant hematopoiesis by Group 2 innate lymphoid cells

09:15 – 09:25 **Sylvain Peugot**, Dept. of Microbiology, Tumor and Cell Biology

Title: Deciphering the links between oncogenic bacteria and cancer for innovative therapies

09:30 – 09:40 **Ola Hermanson**, Dept. of Neuroscience

Title: Molecular Neurodevelopment and Neuro-Oncology

09:45 – 09:55 **Phillip Newton**, Dept. of Women's and Children's Health

Title: Understanding and preventing radiation-induced skeletal late-complications

10:00 – 10:30 **Coffee Break**

10:30 – 11:45 **Morning Session 2**

Chairs: Dhifaf Sarhan, Simon Ekman

10:30 – 10:40 **Magnus Nilsson**, Dept. of Clinical Science, Intervention and Technology

Title: Clinical and translational studies on gastric and oesophageal cancer

10:45 – 10:55 **Svetlana Bajalica Lagercrantz**, Dept. of Oncology-Pathology

Title: Previvors of hereditary cancer risk syndromes with focus on the Swedish gTP53 cohort

11:00 – 11:10 **Fredrik Strand**, Dept. of Oncology-Pathology

Title: Artificial Intelligence for Breast Cancer Radiology

11:15 – 11:25 **Marco Gerling**, Dept. of Clinical Science, Intervention and Technology

Title: Cancer invasion fronts: Tumor epithelial interactions and cell competition

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- 11:30 – 11:45 **Thuy Tran**, Dept. of Oncology-Pathology
Title: Radiopharmaceutical Developments for Translational Theranostics of Cancer Based on Small Ligands, High-affinity Peptides and Antibodies – From Bench to Bedside
- 11:45 – 12:45 **Lunch**
- 12:45 – 14:00 **"Fast-Track Collaboration Challenge": Collaboration and Proposal Formation**
Chair: Ninib Baryawno
- Meet with your assigned partner to brainstorm project ideas, focusing on structure and feasibility.
Deliverable: by 14:00, submit a short pitch (max. 200 characters) through Mentimeter (will be available at the retreat). The pitch should briefly describe the project idea and its potential impact.
- 14:00 – 14:30 **Coffee Break**
- 14:30 – 16:00 **Afternoon Session 1**
Chairs: Matthias Löhr, Ourania Kostopoulou
- 14:30 – 14:40 **Margareta Wilhelm**, Dept. of Microbiology, Tumor and Cell Biology
Title: Identifying molecular mechanisms and therapeutic targets in childhood neural tumors
- 14:45 – 14:55 **Oscar Wiklander**, Dept. of Laboratory Medicine
Title: Extracellular vesicle-based liquid biopsy and targeted therapy
- 15:00 – 15:10 **Per Hydbring**, Dept. of Oncology-Pathology
Title: Multi-omics uncovers signatures associated with resistance to osimertinib in EGFR-mutant non-small cell lung cancer patients
- 15:15 – 15:25 **Sten Linnarsson**, Dept. of Medical Biochemistry and Biophysics
Title: Towards curative reprogramming of human glioblastoma
- 15:30 – 15:40 **Susanne Schlisio**, Dept. of Oncology-Pathology
Title: Neuroblastoma and paraganglioma cell stage dynamics and plasticity in tumor formation and therapy resistance
- 15:45 – 15:55 **Andrea Ponzetta**, Dept. of Medicine, Huddinge
Title: Interrogating the immune landscape in gastroesophageal cancer to improve current patient classification

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16:00 – 16:30 **Coffee Break and "Fast-Track Collaboration Challenge": Voting**

Please review all submitted pitches and vote for your favorites via Mentimeter to help identify the top three proposals.

16:30 – 16:50 **"Fast-Track Collaboration Challenge": Presentations**

Chair: Ninib Baryawno

The top three teams will present their ideas in 5-minute slots (oral or Power-Point), followed by a 1-minute Q&A session. This will showcase projects to inspire further collaboration or gain broader support.

16:50 -17:00 **Conclusion**

Linda Lindström

17:15 **Bus departs to Stockholm Cityterminalen**

