

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, Galina Selivanova

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

Monday, February 17

- 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, Anna Johansson, Hanna Brauner, Ingemar Ernberg)
- 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**

Monday, February 17

17:20 – 18:00 Elevator Pitch

Chair: Stefina Milanova

Adamantia Fragkopoulou

Klas Blomgren

Andreas Lundqvist

Carlos Rodrigues

Daniel Hagey

Hans Grönlund

Hassan Abolhassani

Klas Wiman

Marie Arsenian Henriksson

Nicola Crosetto

Rainer Heuchel

Thomas Helleday

Simon Elsässer

18:00 – 19:00 Mingle

19:00 - Late Dinner, followed by continued mingle



Tuesday, February 18

07:00 Breakfast and Check-Out

08:45 - 10:00 Morning Session 1

Chairs: Ninib Baryawno, Marco Gerling

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

Chair: Dhifaf Sarhan

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

Tuesday, February 18

- 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: Dhifaf Sarhan
- 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 and "Fast-Track Collaboration Challenge": Voting**
Please, vote for your favorite pitch using the QR codes available in House 7
- 14:30 – 16:00 **Afternoon Session 1**
Chairs: Twana Alkasalias, 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 Andrea Ponzetta, Dept. of Medicine, Huddinge
Title: Interrogating the immune landscape in gastroesophageal cancer to improve current patient classification

Tuesday, February 18

16:00 – 16:30 **Coffee Break**

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**

