PROMISE SWEDEN

THE PROMISE INITIATIVE: ACCELERATING CANCER INNOVATION

Uppsala University Main Building
13 October 2026
09:00 – 18:30

Our sponsors

This event brings together leading Swedish and international researchers to **advance precision cancer medicine** through genomics, multiomics and cutting-edge molecular profiling. The conference aims to **strengthen the national cancer research community** and accelerate the translation of Sweden's unique research strengths into benefits for patients.

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Morning kick-off

9:00-9:30	Registration and fika
9:30-9:35	Welcome and introduction: Kerstin Lindblad-Toh

SESSION 1: Single cell and spatial transcriptomics and multiomics

Moderator: Kerstin Lindblad-Toh

9:35-9:55	Decoding Acute Leukemia at Single-Cell Resolution: Cellular States, Immune Evasion, and Therapeutic Vulnerabilities **Thoas Fioretos**, Lund University
9:55-10:15	Super-resolution sequencing reveals immune-tumor interaction events in patient biopsies and organoids **Shahar Alon**, Bar-Ilan University
10:15-10:30	Modelling multi-modal responses to gene expression dosage in single-cell CRISPR screens with bayesDREAM **Leah Rosen**, KTH
10:30-10:45	Isoform-level resolution in single-cell CRISPR screens reveals hidden functional consequences of gene perturbation **Josie Gleeson**, SciLifeLab

Break

10:45-10:55	Leg stretcher

SESSION 2: Cancer genomics

Moderator: Lao Saal

10:55-11:15	New insights from >8,500 whole-genome sequences from TCGA **Esther Rheinbay**, Harvard Medical School
11:15-11:35	Identifying Non-Coding Driver Mutations in Brain Tumors **Karin Forsberg Nilsson**, Uppsala University
11:35-11:50	Unlocking the Epigenome of Archived Clinical Samples through FFPE-Compatible Technologies **Xingqi Chen**, Uppsala University
11:50-12.05	A novel multiomics machine learning signature identifies rapid progression in clinically low risk prostate cancer **Arian Lundberg**, KTH

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Lunch

12:05-12:55	Lunch

Keynote

Moderator: Karin Forsberg Nilsson

12:55-13:25	Global surveillance of carcinogen exposures using somatic mutations **Mike Stratton**, Sanger Institute

SESSION 3: Germline cancer risk and liquid biopsies

Moderator: Richard Rosenquist-Brandell

13:25-13:45	Uncovering Childhood Cancer Predisposition Through Multiomics and Swedish Register Data **Ann Nordgren**, Karolinska Institutet
13:45-14:05	Liquid Biopsies in Prostate Cancer **Johan Lindberg**, Karolinska Institutet
14:05-14:20	Detecting the Undetectable: Multiomic Liquid Biopsy for Early Ovarian Cancer Diagnosis **Joaquín Jurado Maqueda**, Karolinska Institutet
14:20-14:35	GMS: Leveraging PROMISE for Health Economic Evaluation in Precision Oncology **Oskar Frisell**, The Swedish Institute for Health Economics

Break

14:35-15:00	Fika break

SESSION 4: Functional Precision Cancer Medicine

Moderator: Karin Forsberg-Nilsson

15:00-15:20	Making Cancer Care More Effective and Individualized **Olli Kallioniemi**, FIMM, Karolinska Institutet, SciLifeLab
15:20-15:40	Personalized drug screening for precision oncology and immunology **Berend Snijder**, Institute of Molecular Systems Biology, ETH Zürich
15:40-15:55	From cytogenetics to cytogenomics: HiFi long-read whole-genome sequencing reliably detects clinically relevant somatic variants in multiple myeloma **Robert Månsson Welinder**, Karolinska Institutet
15:55-16:10	Transcriptionally defined AML cell states associate with treatment response and microenvironmental remodeling **Nona Struyf**, Karolinska Institutet

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Break

16:10-16:20	Leg stretcher

Precision Omics Initiative Sweden

Moderator: Kerstin Lindblad-Toh

16:20-16:30	PROMISE: An Overview **Tuuli Lappalainen**, KTH & New York Genome Center
16:30-16:50	**Existing Cancer Biobanks** U-CAN: Supporting advances in multi-omic cancer research **Tobias Sjöblom,** Uppsala University SCAN-B and CIRCE: unlocking the promise of population biobanks linked to clinicopathological data **Lao Saal**, Lund University Population-based pediatric cancer OMICs and tissue bank **Johanna Sandgren**, Karolinska Institutet
16:50-17:00	SPRINTR: a national study-ready population for precision medicine in prostate cancer **Andreas Josefsson**, Umeå University

Panel discussion

Moderator: Richard Rosenquist-Brandell

17:00-17:30	**Wen Zhong**, Linköping University **Kerstin Lindblad-Toh**, Uppsala University **Tobias Sjöblom**, Uppsala University **Lao Saal**, Lund University

Mingle and posters

Hosted by: Peter Stålberg, Vice-rector of the Medicine and Pharmacy Disciplinary Domain

17:30-18:30	Mingle and posters

Scan the QR code to learn more about the event and view the detailed programme, including biographies of invited speakers.

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