

Precision Omics Research Initiative Sweden (PROMISE) Symposium

October 28-29, 2024, Uppsala

October 28th	
8:30-9:00	Registration and coffee
	<i>Morning session chair: Anders Kämpe</i>
9:00-9:45	Tuuli Lappalainen , KTH, SciLifeLab & NY Genome Center Precision Omics Research Initiative Sweden
9:45-10:15 <i>Zoom</i>	Daniel MacArthur , Director, Centre for Population Genomics, a joint initiative between the Garvan Institute of Medical Research and Murdoch Children's Research Institute Adventures in translational genomics: lessons from the USA and Australia
10.15-10:45	Coffee break
10:45-11:15	Lili Milani , Head of Estonian Biobank, Professor of Pharmacogenomics, University of Tartu Return of results to Estonian Biobank participants: from clinical studies to an online portal

<p>11.15-12.15</p>	<p><i>Building on existing precision omics projects in Sweden</i></p> <p>Tove Fall, Uppsala University: Host genetic determinants of the gut microbiome composition</p> <p>Tobias Sjöblom, Uppsala University: Multi-omics analyses of colorectal cancers: biomarkers for prognosis and early detection</p> <p>Mathias Uhlen, Royal Institute of Technology (KTH): The creation of an open access SciLifeLab-based Human Disease Blood Atlas based on next generation proteome profiling</p>
<p>12.15-13.15</p>	<p>Lunch</p>
	<p><i>Afternoon session chair: Åsa Johansson</i></p>
<p>13.15-13.45</p>	<p>Dr. Cathryn Lewis, Professor of Genetic Epidemiology and Statistics, King's College London</p> <p>Challenges and opportunities for polygenic scores in psychiatric disorders</p>
<p>13:45-14:45 (Short talks x 3)</p>	<p>PROMISE at the cutting edge of technology</p> <p>Lars Feuk, Uppsala University: Long-read sequencing - from single samples to large cohorts and routine healthcare</p> <p>Martin Enge, Karolinska Institutet: Single cell omics</p> <p>Janne Lehtiö, Karolinska Institutet: Large scale proteome analysis from plasma to proteogenomics</p>
<p>14:45-15:15</p>	<p>Coffee break</p>
<p>15:15-15.45 <i>Zoom</i></p>	<p>Erik Ingelsson, Chief Scientific Officer, Wave Life Sciences</p> <p>How genomics is transforming drug discovery and development</p>

15:45-17:00	<p>PROMISE – Key components</p> <p>Richard Rosenqvist, Karolinska Institutet: GMS as a building block in PROMISE</p> <p>Bengt Persson, Uppsala University: European initiatives for national and international data storage and management</p> <p>Anna Lindstrand, Karolinska Institutet: Navigating Consent in Precision Healthcare</p> <p>Margareta Haag, Swedish Network against Cancer: Patient engagement</p>
17:00-18:00	Drinks reception
October 29th 2024	
8:30-9:00	Registration and coffee
	<i>Day 2 chair: Bo Jacobsson</i>
9:00-10.30	<p>PROMISE – Targeted workshops</p> <p>Cancer Chair: Tobias Sjöblom, Uppsala University</p> <p>Rare diseases and clinical omics Chair: Anna Lindstrand, Karolinska Institutet</p> <p>Population cohorts and complex traits Chair: Colum Walsh, Linköping University</p>
10:30 – 11:00	Coffee break
11:00-12:00	Workshop summary presentations and discussion
12.00-12.45	Lunch

<p>12:45-13:15</p>	<p>Samuli Ripatti, Director, Institute for Molecular Medicine, Finland</p> <p>FinnGen: Building a world-class data resource for integrating genomics into healthcare in Finland</p>
<p>13:15-13:45</p> <p><i>Zoom</i></p>	<p>Dr. Hilary Martin, Wellcome Sanger Institute, UK</p> <p>Insights into the genetic architecture of rare neurodevelopmental disorders from large cohorts</p>
<p>13:45-14:15</p>	<p>Dr. Kerstin Lindblad-Toh, SciLifeLab and Department of Medical Biochemistry and Microbiology at Uppsala University as well as Vertebrate Genomics, Broad Institute of MIT and Harvard</p> <p>Using evolutionary constraint to identify mutations and genes underlying complex diseases and cancer</p>
<p>14:15-14:30</p>	<p>Tuuli Lappalainen, KTH, SciLifeLab & NY Genome Center</p> <p>Concluding remarks</p>
<p>14:30-15:00</p>	<p>Coffee mingle</p>