

Unlocking Precision Health: From Molecular Insights to Clinical Impact in Complex Diseases

The 3rd GMS symposium on Complex Diseases

Date: 23 January 2026, 09:00 – 19:00

Venue: Operaterassen/Operahuset, Karl XII:s Torg, Stockholm

Program

09.00-09:30 **Registration**

09:30-09:40 **Welcome and conference opening:** Åsa Johansson, Craig Wheelock, Bo Jacobsson

Session 1: Chair Kristiina Tammimies

09:40-10:10 *Use of polygenic scores for disease prediction, biomarker discovery and trial emulation, Andrea Ganna, University of Helsinki, Finland*

10:10-10:30 *Genomic studies of disease and treatment outcomes in bipolar disorder, Lina Jonsson, Sahlgrenska Academy, University of Gothenburg*

10:30-11:00 **Coffee break**

Session 2: Chair Åsa Johansson

11:00-11:20 *Precision prevention of coronary artery disease, Olle Melander, Lund University and Skåne University Hospital*

11:20-11:40 *This sounds fantastic – but is it good value for money? Oskar Frisell, The Swedish Institute for Health Economics (IHE), Karolinska Institutet and Genomic Medicine Sweden*

11:40-12:10 *Short talks*

12:10-13:10 **Lunch**

Session 3: Chair Craig Wheelock

13:10-13:40 *Genetic subtypes of obesity – Dissecting mechanisms and translating insights, Ruth Loos, University of Copenhagen, Denmark*

13:40-14:00 *Data-driven insights into variant-to-function mechanisms for complex disease, Tuuli Lappalainen, SciLifeLab, KTH and New York Genome Center*

14:00-14:20 *Towards Precision Nutrition for Cardiometabolic Disease Prevention, Rikard Landberg, Chalmers University of Technology*

14:20-15:00 **Coffee break and group discussions**

Session 4: Chair Bo Jacobsson

- 15.00-15.20 Summary of group discussions
- 15:20-15:50 *Nightingale Metabolomics: a translational story from biobanks to clinical use at national-scale*, Peter Würtz, Nightingale Health, Finland
- 15:50-16.10 *National implementation of genomics and precision medicine*, Richard Rosenquist Brandell, Karolinska Institutet
- 16:10-16:55 Panel discussion: *How can we accelerate precision health for complex diseases?*
Panelists: Tuuli Lappalainen, Olle Melander, Richard Rosenquist Brandell, Kristina Sparreljung (Secretary General, Swedish Heart-Lung Foundation), Peter Würtz
Moderator: Craig Wheelock
- 16:55-17:00 **Concluding remarks:** Åsa Johansson, Craig Wheelock, Bo Jacobsson
- 17:00-19:00 **Drinks, light food, mingle and poster presentations**

[Register here](#)

