

Campus Solna Science Talks 2026

Program

- 8.45 Welcoming and opening of symposium
Hjalmar Brismar, Director Campus Solna
- 9.00 **Session I: Big Data, Reference-Free Methods & Spatial Atlases**
Moderator: Aubrey Weigel
- 9.05 Dynamics of immunological tissue architecture in the human gut
Simon Koplev
- 9.25 Reference-Free 3D Spatial Omics for Tissue Interpretation
Chenlei Gu
- 9.45 AI4CellFate: Interpretable Cell Fate Prediction in Microscopy Images with Machine Learning
Inês Cunha
- 10.05 **Coffee and Poster session A**
- 10.45 **Session II: Next-Gen Model Organisms & Therapeutics**
Moderator: Patrick Bryant
- 10.50 AI-driven discovery of new Ribosome-Targeting Antimicrobial Drugs
Joan Serrano Quilez
- 11.10 Infection as a physics problem: the case of schistosomiasis parasites
Melanie Hannebelle
- 11.30 Rationalising the effect of phospholipase D on lipid nanoparticles: from nanoscale to enzymatic activity
Marco Fornasier
- 11.50 **Panel I: Space, Decisions, and No Boss: How do we allocate physical space and make difficult institutional decisions without a centralized hierarchy?**
Panel: Katarina Tiklova, Hjalmar Brismar, Martin Viklund
Moderators: Sandra Falck and Lisandro Milocco
- 12.25 **Lunch**
- 13.15 **Session III: Planetary Biology & Environmental Metagenomics**
Moderator: Paul Hudson
- 13.20 Understanding symbiotic architectures: lichen symbiosis through the omics lens
Gulnara Tagirdzhanova
- 13.40 Towards an atlas of eukaryotic diversity in Swedish spruce forests
Mahwash Jamy
- 14.00 Microbial meta-omics of the Baltic Sea
Emma Bell
- 14.20 **Coffee and Poster session B**
- 15.00 **Session IV: Chromosome Biology & Cellular Dynamics in Disease**
Moderator: Abishek Arora
- 15.05 Repair without sisters: Linking 3D chromosome biology to DNA repair
Sunil Kumar
- 15.25 Investigating the mechanistic and functional role of focal lipid scrambling in immune cell signaling
Shambhavi Pandey
- 15.45 Exploring GLUT1 Beyond the Blood-Brain Barrier: A Patient-Derived Choroid Plexus Organoid Model
Rekha Tripathi
- 16.05 **Panel II: Finding Your Family in the SciLifeLab Crowd: How do we create real environments for cross-disciplinary exchange?**
Panel: Anna Herland, Caroline Gallant, Linda Kvastad
Moderators: Stefanos Stagkourakis and Anniina Vihervaara
- 16.40 Concluding remarks