

Campus Solna Science Talks 2024

12 September Life City

#A Poster presented during first coffee break (10.10-10.50)

#B Poster presented during lunch (13.00-13.40)

#C Poster presented during second coffee break (14.35-15.05)

<u>Poster#</u>	<u>Name</u>	<u>Descriptive title of your poster</u>
1A	Xesus Abalo	<i>Sequencing at the National Genomics Infrastructure</i>
2B	Serhat Aktay	<i>Mapping the functional genomic landscape de novo with divergent transcription analysis of PRO-seq data</i>
3C	Sarah Andersson	<i>Proteomic profiling of host proteins incorporated in SARS-CoV-2 viral particles</i>
4A	Amena Archer	<i>Impact of the estrogen receptor (ER) β and the TNFα signalling on circadian genes in colitis-induced colorectal cancer</i>
5B	Morteza Aslanzadeh	<i>Malat1 affects transcription and splicing through distinct pathways in mouse embryonic stem cells</i>
6C	Hanna Barriga	<i>Advanced characterisation of lipid systems for lipid nanomedicine development</i>
7A	Myriam Barz	<i>When cancer hides from the immune system: How to make tumors visible again</i>
8B	Hjalmar Brismar	<i>Cluster analysis of Na,K-ATPase in the cell membrane with superresolution microscopy</i>
9C	María Bueno Álvez	<i>The Coaching in Science Initiative: Well-being and mental health skills are human rights & of monumental importance to scientific excellence</i>
10A	Davide Buzzao	<i>FunCoup v6: advancing functional networks across species with directed links and improved user experience</i>
11B	John Cognetti	<i>A Sensor-Integrated Neurovascular Chip for Real-Time Detection of Secreted Metabolites</i>
12C	Christopher Dirks	<i>Inactivating SAMHD1 by Targeting Allosteric Activation</i>
13A	Steven Edwards	<i>descSPIM-Hubble: a high-resolution, affordable and open-source light sheet microscope optimised for tissue clearing techniques</i>
14B	Lisa Engelhardt	<i>Structural characterization through cryoEM</i>
15C	Pär Engström	<i>The SciLifeLab Bioinformatics Platform NBIS</i>
16A	Olivia Eriksson	<i>Guiding biochemical experiments with UQSA</i>
17B	Samuel Eriksson Lidbrink	<i>Resolving the conformational ensemble of a membrane protein by integrating small-angle scattering with AlphaFold</i>

18C	Ineke Luijten	SciLifeLab Training
19A	David Fernandez Bonet	Spatial Coherence of DNA Barcode Networks
20B	Mafalda Ferreira	Regulatory mechanisms of seasonal traits
21C	Alexandra Firsova	Topographic cell atlas defines regional gene programs in the adult human lung
22A	Disa Hammarlöf	Description of the OO areas
23B	Xiao Han	The Immunogenicity of a Proline-Substituted Altered Peptide Ligand toward the Cancer-Associated TEIPP Neopeptide Trh4 Is Unrelated to Complex Stability
24C	James Haslam	Exploring activation of DNA glycosylase NTHL1
25A	Pascal Helson	On the neural dynamics role of excitation-inhibition balance in Parkinson's disease
26B	Szabolcs Hetey	Profiling of G-quadruplex landscapes by single-cell CUT&Tag in mixed cell population
27C	Samu Himanen	Tracking nascent transcription by Pol I-III at single-nucleotide resolution
28A	Kiana Hosseinpour Moghaddam	Coding Sequence Features Associating with ELP3-Dependent Remodeling of the Proteome
29B	Andrey Höglund	Perfluorooctanesulfonic acid (PFOS) induced cancer related DNA methylation alterations in human breast cells: A whole genome methylome study
30C	Fabian Jetzinger	IsoAnnot: a pipeline for functional annotation of isoforms
31A	Panagiotis Kalogeropoulou	Discovery of cancer-specific small RNAs
32B	Simon Kolmodin Dahlberg	Hidden network preserved in Slide-tags data allows reference-free spatial reconstruction
33C	Linda Kvastad	Spatial transcriptomics and genetically implicated genes identify putative causal tissue structures for complex traits
34A	Isabelle Leo	Annotating proteins using thermal data
35B	Qiuzhen Li	EvoBind2: De Novo Peptide Design
36C	Linnéa Lindquist	The role of estrogen in ovulation: Understanding the molecular mechanism
37A	Birthe Meineke	Dual stop codon suppression in mammalian cells with genomically integrated genetic code expansion machinery
38B	María José Pino	Spatially resolving B cells and their receptors within their tissue microenvironment.
39C	Adelina Rabenius	Drug-induced transcriptional responses in cancer cells
40A	Anjali Rajwar	Evolutionary selection of DNA structures for cell uptake and viral binding

41B	Philipp Rentzsch	Recalibrating differential gene expression by genetic dosage variance prioritizes functionally relevant genes
42C	Lucía Rico Pizarro	Enhancing MSLN-CAR T Cell Efficacy in Ovarian Cancer: The Role of Drug Combinations
43A	Natalia Rivera	The Immunogenetic Landscape of Sarcoidosis
44B	Mezida Saeed	Glycosylation Impacts Nanoscale Organization of Sodium Pump
45C	Maryam Sahi	Protein biomarkers of respiratory diseases in breath particles collected by a portable self-sampling device
46A	Kristen Schroeder	SciLifeLab Training Hub
47B	Jianyu Shen	Converting Cold into Hot Tumors by Mitotic MTH1 Inhibitor TH1579 Treatment
48C	Ronald Sjöberg	Autoimmunity and serology profiling
49A	Alexandros Sountoulidis	Postnatal FGFR-signaling establishes gradients of secretory cell identities along the proximal-distal axis of the lung airways
50B	Hannah Stigsdotter	Novel MTHFD1/2 inhibitor TH9619 causes toxic folate trapping, induces DNA damage and sensitizes cancer cells to DDR inhibitors
51C	Renhua Sun	Tuning antiviral CD8 T-cell response via proline-altered peptide ligand vaccination
52A	Marcel Tarbier	Machine learning for precision medicine: Dissecting temporal and spatial cancer heterogeneity
53B	Eleftheria Theodoropoulou	Persistent effects of dibutyl phthalate on liver transcriptome: impaired energy and lipid metabolic pathways.
54C	Rekha Tripathi	Developing a Clinically Relevant Model for GLUT1 Deficiency Syndrome Using a Choroid Plexus-Cerebrospinal Fluid Organoid
55A	Axel Truedson	High-throughput biochemistry in protein sequence space
56B	Bruno Urién González	in situ DNA replication profiling using 3D-SIM
57C	Amira Perez	When Daphnia glow and tell us what's wrong: an image-based screening method using Calcein AM in whole organisms for rapid assessment of chemicals