DDLS Annual Conference 2023
November 15-16, 2023

SciLifeLab

#	POSTER
1	**Integrative Data Processing Pipeline for PROseq Uncovers Mechanisms of Transcription across Functional Genomic Regions** Serhat Aktay, KTH Royal Institute of Technology
2	**FunCoup 5: Functional Association Networks in All Domains of Life, Supporting Directed Links and Tissue-Specificity** Davide Buzzao, Stockholm University
3	**Deciphering sex differences in human immunity using systems immunology** Camila Consiglio, Lund University
4	**Understanding the microbial diversity in the healthy vagina** Gabriella Edfeldt, Karolinska Institutet
5	**REFSTRA (REference-Free Single-cell Transcriptome Autotyping) for deconvolution of paired Spatial Transcriptomics data** Alper Eroglu, SciLifeLab
6	**CoolBeans: user-friendly workflow for identifying multi-metabolite signatures of exposure.** Núria Estanyol-Torres, Chalmers University of Technology
7	**Processing spatial networks through UMI** David Fernandez Bonet, KTH Royal Institute of Technology
8	**Revealing the RBP regulome in hepatocellular carcinoma via consensus GRN inference** Mateusz Garbulowski, SciLifeLab/ Stockholm University
9	**Utilizing large-scale genomic data to explore variable disease penetrance** Sanna Gudmundsson, SciLifeLab/KTH
10	**U-FISH: a universal deep learning approach for accurate FISH spot detection across diverse datasets** Weize Xu, AI Cell Lab, KTH
11	**Model based DNA basecallers** Joakim Jaldén, KTH Royal Institute of Technology
12	**Detecting resin wood in Scots pine with laboratory-bespoke X-ray computed tomography imaging** Sheng Joevenller, Luleå University of Technology
13	**Inferring dissipation from cell-membrane fluctuations** Sreekanth K Manikandan, Department of Chemistry, Stanford University
14	**An Advanced Deep Learning Pipeline for Genome-Wide Imaging Screen Analysis Uncovering Cell Death Regulators** Salma Kazemi Rashed, Lund University
15	**Beam search decoder for enhancing sequence decoding speed in single-molecule peptide sequencing data** Javier Kipen, KTH Royal Institute of Technology
16	**BIIF - Support on BioImage Analysis in Sweden** Anna Klemm, SciLifeLab
17	**Single-cell RNA sequencing-based program-polygenic risk scores associated with pancreatic cancer risks in the UK Biobank cohort** Yelin Zhao, Karolinska Institutet
18	**Deep Learning with Big Data for Genetic Epidemiology** Max Kovalenko, Uppsala University

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19	**Spatial transcriptomics and GWAS data identify putative causal tissue structures for complex traits** Linda Kvastad, SciLifeLab/KTH
20	**Bacterial vaginosis: Understanding the effect of antibiotic-free treatment on the vaginal microbiome** Emilia Lahtinen, Karolinska Institutet
21	**SciCommander Track provenance of any shell command** Samuel Lampa, Karolinska University Hospital
22	**Kidney automatic segmentation and cystic renal occupying lesions classification system based on the Deep Learning.** Hui Li, Chalmers University of Technology
23	**Metagenomics of insect bulkDNA for population genetics** Samantha López Clinton, Swedish Museum of Natural History
24	**Multimodal signal recordings in neuroscience: modeling strategies** Melisa Maidana Capitan, Linköping University
25	**National Genomics Infrastructure (NGI) Next Generation Sequencing and Genotyping for Swedish Research** Tom Martin, National Genomics Infrastructure (NGI)
26	**Multi-metabolic signature of controlled modification of dietary carbohydrate quality** Cecilia Martinez Escobedo, Chalmers University of Technology
27	**From Genes to Causal Maps: A Benchmark for Gene Regulatory Network Inference** Mariia Minaeva, KTH Royal Institute of Technology
28	**Identification of metabolomic networks linked with incident heart failure.** Jakub Morze, SGMK Copernicus University / Chalmers University of Technology
29	**Predicting Protein-Protein Interactions using Machine Learning** Sarah Narrowe Danielsson, SciLifeLab/ Stockholm University
30	**Recalibrating differential gene expression analysis by variance in gene dosage** Philipp Rentzsch, SciLifeLab
31	**Mapping the genetic architecture of sarcoidosis across populations** Natalia Rivera, Karolinska Institutet
32	**The Swedish Childhood Tumor Biobank** Johanna Sandgren, Karolinska Institutet
33	**Targeted Proteomics of Blood Plasma from the hPOP Cohort** Thanadol Sutantiwanichkul, KTH Royal Institute of Technology
34	**Barcode-free prediction of cell lineages from scRNA-seq datasets** Marcel Tarbier, SciLifeLab/KI
35	**Deep Learning for Time Series Classification of Parkinsons Disease Eye Tracking Data** Gonzalo Uribarri, SciLifeLab/KTH
36	**Benchmarking orthologous clustering programs for proteins a case study in Pseudomonas aeruginosa** Virág Varga, Chalmers University of Technology

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37	**Predicting plastic-degrading potential of the Baltic Sea: a data-driven approach with taxonomic information** Máté Vass, Chalmers University of Technology
38	**Predicting Preterm Birth Using Machine Learning** Nicole Wagner, Karolinska Institutet
39	**Navigating the Toolbox: A Comparative Analysis of Metagenomic Tools for Taxonomic and Resistance Gene Identification** Marcus Wenne, Chalmers University of Technology
40	**SciLifeLab Data Platform** Liane Hughes, SciLifeLab/UU
41	**SciLifeLab Serve - enabling sharing of machine learning models and applications** Arnold Kochari, SciLifeLab
42	**Services and support from SciLifeLab Data Centre** Katarina Öjefors Stark, SciLifeLab Data Centre