

Project title	Applicant	Organisation
<b>2023</b>		
Unravelling the secrets of nature's high-performance fiber	Anna Rising	SLU
Efficient protein structure predictions using Nextflow	Arne Elofsson	SU
The rise and fall of genes: insights from evolving sex chromosomes	Bengt Hansson	LU
The COMMUNITY (COVID-19 Immunity) project	Charlotte Thålin	KI
Genetic diabetes subtype risk and medical imaging and multi-omics data	Clemens Wittenbecher	Chalmers
Characterization of UC1 and UC2 patients: towards personalized medicine	Eduardo Villablanca	KI
Cell fate decisions and plasticity across organ systems	Emma Andersson	KI
Training to see invisible signs of cancer cells surviving therapy.	Emma Hammarlund	LU
Physiological functions of the AH receptor in the intestine and beyond	Emma Wincent	KI
Comparative multi-omics of Baltic Sea bacterioplankton communities	Jarone Pinhassi	LNU
SUPRCeCellfactories	Johan Rockberg	KTH
Transcriptome profiling in the neurogenic areas of the human brain	Jonas Frisé	KI
Structure determination of the MT1-MT2 GPCR heterodimer	Linda Johansson	GU
Discovery of the genetic markers of microbial robustness in yeast	Lisbeth Olsson	Chalmers
A novel pipeline for processing and analyzing extremely degraded DNA	Love Dalén	SU
Citrullination Dynamics in Stem Cell Lineage Progression	Maria Genander	KI
Temporal and spatial regulation of neural stem cells	Qi Dai	SU
Cryo-EM structure and conformational dynamics of p53 mRNA	Robin Fahraeus	UmU
Longitudinal multi-omics landscape of HER2-positive breast cancer	Theodoros Foukakis	KI
<b>2022</b>		
Unraveling the mechanism of nuclear small RNA mediated gene silencing	Aishe Sarshad	GU
Immune landscape in esophageal cancer for improved patient subtyping	Andrea Ponzetta	KI
Retinopathy of prematurity: metabolic risk factors	Ann Hellström	GU
Evolutionary genomics of ancient and novel lineages in Passeridae	Arild Husby	UU
Quantification of blister rust damage and fibre angle deviation in SPBR	Dick Sandberg	Other
Inspiration at Birth: Inflammation & perturbation of perinatal breathing	Eric Herlenius	KI
The Global Environmental Antibiotic Resistance Atlas	Johan Bengtsson-Palme	Chalmers
Ultra-fast and accurate alignment with a novel fuzzy seeding technique	Kristoffer Sahlin	SU
Single cell characterization of pathogenic immune cells in MS	Maja Jagodic	KI
Tumor evolution and metastasis: finding drivers among neutral mutation	Mattias Höglund	LU
Deciphering sex differences in the human immune system	Nils Landegren	UU
AI-guided phenomics screening for combination treatments	Ola Spjuth	UU
Biodiversity of the Central Arctic Ocean analyzed by metagenomic eDNA	Pauline Snoeijs Leijonmalm	SU
Genetics of songbird migration	Staffan Bensch	LU
Evolution of a classic supergene	Tanja Slotte	SU
Genome-scale classification of ancient and modern metagenomic data	Tom van der Valk	NRM
Understanding ageing through the lens of the transcriptome	Urban Friberg	LiU