DDLS Annual Conference 2026

Program

November 9

11:00	Registration opens
11:30	Light lunch
12:30	**Introduction and Welcome** *Jan Ellenberg*, DDLS and SciLifeLab Director
12:50	**Three Impactful Problems in Drug Discovery That Might Be Solvable with Machine Learning (and What We Are Doing About Them at Relation Therapeutics)** *Lindsay Edwards*, CTO & President of Platforms, Relation Therapeutics, London, UK
13:30	**Panel Discussion** Moderators: *Ola Engkvist*, Executive Director, AstraZeneca & Adjunct Professor, Chalmers; *Tuuli Lappalainen*, Professor, KTH/SciLifeLab **Panel**: *Gianfranco Grompone*, PhD, CSO, BioGaia AB & Affiliated Scientist, Univ. of Gothenburg *Lina Hultin Rosenberg*, Director Data & Analytics, R&D, Olink / Thermo Fisher *Peetra Magnusson*, Assoc. Prof., DDLS Research School Director, Uppsala University *Patrik Rydén*, Prof. & IDS Director, Umeå University *Lindsay Edwards*, CTO & President of Platforms, Relation Therapeutics, London, UK
14:00	Poster Session I (odd numbers) with Coffee
15:00	**DDLS Fellows talks**
	Understanding Cancer Heterogeneity Through Machine Learning and Molecular Networks *Golnaz Taheri*, KTH
	Predictors of genome-wide variation in the effects of new mutations *Jennifer James*, UU
	Towards autoregularization of reconstruction and datamining in cryo-EM *Björn Forsberg*, LiU
16:00	**Meet the new DDLS Fellows**
16:15	**HPC, AI and Data Resources for Life Science Research** *Matts Karlsson*, NAISS Director of External Relations
16:30	Poster Session II (even numbers) with Mingle
17:30	End of day 1

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09:00	**DDLS Fellows talks**
	Leveraging Population Genomic Data to Understand Clonal Hematopoiesis and Blood Cancer Risk *Abhishek Niroula*, GU
	Steering AlphaFold through the distogram *Nicholas Pearce*, UU
	Exploring chemical space with distillation models *Andreas Luttens*, KI
10:05	Coffee break
10:50	**Top-Down and Bottom-Up Exploration of Alternative Community Types in the Human Gut Microbiome** *Karoline Faust*, Associate Professor, KU Leuven, Belgium
11:30	**Presentations of DDLS funded projects**
	Learning 3D Genome Dynamics from Heterogeneous Data *Johan Elf*, UU
	Multimodal AI-based Precision Diagnostics and Decision Support for Breast Cancer (AID4BC) *Mattias Rantalainen*, KI
	TIMED: Time-Resolved Imaging and Multi-Channel Evaluation of Cellular Dynamics *Rocio Mercado*, Chalmers; *Ola Spjuth*, UU
	Microscopy Foundation Model & AI-Ready Data Hub for Smart Microscopy *Hanzhao Zhang*, KTH
	Swedish Metabarcoding Network (SMN) *Tobias Andermann*, UU
	TissUUmaps RDCP *Carolina Wählby*, UU
	CRITICAL MICROBES – Comprehensive Research on InfecTIons Complications Across the Lifespan – MICROBiology Epidemiology in Sweden *Anne-Marie Connolly*, UMU
12:15	**Best Poster Award & Closing Words** *Carolina Wählby*, DDLS Co-Director; *Erik Kristiansson*, DDLS Co-Director
12:30	Lunch and networking
13:30	End of conference
13:30	**Pre-registered workshop organized by SciLifeLab Data Centre:** How to Use LLMs to Present Results from Your Research Project as a Web Application

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