

CELL AND MOLECULAR BIOLOGY

Data-Driven Life Science symposium
April 25-26, 2024, Gothenburg

Welcome to this Cell and Molecular Biology symposium, organized by the SciLifeLab & Wallenberg National Program for Data-Driven Life Science. The conference aims to cover various topics in the field of data driven life science and multiomics.

This event is open to anyone in the field with an interest in the topic!

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Program

Thursday, April 25 - Birgit Thilander Lecture Hall		Friday, April 26 - AstraZeneca Conference Center	
13:00	Opening of Symposium	07:30	Bus from Nils Ericson Terminalen Available for all participants
13:10	Precision Glycomics: How AI and advanced mass spectrometry are changing the game Daniel Bojar, University of Gothenburg	08:00	Visitor Registration at AstraZeneca
13:40	Towards a universal molecular framework for structure prediction and design Patrick Bryant, SciLifeLab/Stockholm University	08:25	Introduction Ola Engkvist, AstraZeneca & Margit Mahlapuu, University of Gothenburg
14:10	Integrating single-cell transcriptomics with cellular phenotypes Joan Camuñas, University of Gothenburg	08:30	Empowering data-driven innovations in Life Sciences: A journey with GU Ventures Klementina Österberg, GU Ventures & Carl-Peter Mattsson, GU Ventures
14:40	Thermodynamics-informed modeling of biochemical reaction and regulation networks Edda Klipp, Humboldt-Universität zu Berlin	09:15	BioVentureHub - an antidote to the incubent's curse Magnus Björnsne, AstraZeneca BioVentureHub
15:20	Coffee Break	10:00	Coffee Break
15:50	Tumor biology using multiomics Anders Ståhlberg, University of Gothenburg	10:30	Precision Medicine from the start Daniel Muthas, AstraZeneca
16:10	Multiomics – state of art data generation and analysis at NGI Mattias Ormestad and Franziska Bonath, NGI	11:15	Data driven life sciences in a clinical setting Peder Blomgren, AstraZeneca
16:30	Data-Driven Microscopy: the automation of end-to-end imaging workflows Elisabet Carlsohn and Rafael Camacho, SciLifeLab/University of Gothenburg	12:00	Networking lunch
17:00	Tour of SciLifeLab Units in Gothenburg	13:00	Tour; The Amazing Journey the story about Astra Zeneca in Mölndal