

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.

Program

Thursday, April 25 - Birgit Thilander Lecture Hall		Friday, April 26 - AstraZeneca Conference Center	
13:00	Opening of Symposium	07:30	Bus from Clarion Hotel Post 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 Björsne, 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 Jesper Havsol, AstraZeneca
16:30	Data-Driven Microscopy: the automation of end-to-end imaging workflows Elisabet Carlsohn, SciLifeLab/University of Gothenburg 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