DDLS Annual Conference 2024

Wednesday, November 13

11:30 — **Registration and Poster hanging**
Lunch is served until 12:15

12:30 — **Welcome**
Jan Ellenberg, Director SciLifeLab

12:35 — **Annual overview of the Data-driven Life Science Program**
Olli Kallioniemi, Director DDLS program

13:00 — **Collaborative AI for Science**
Samuel Kaski, Professor, Aalto University, Finland and University of Manchester, UK

13:45 — **Coffee break**

14:15 — **Session Introduction**
Moderator: Päivi Östling, Karolinska Institutet, DDLS Expert Group

14:20 — **Data-driven methods for microbial secondary metabolite discovery**
Laura Carroll, DDLS Fellow, Umeå University

14:40 — **Leveraging clinical data toward biological insight and precision medicine in Alzheimer's disease**
Jakob Vogel, DDLS Fellow, Lund University

15:00 — **Leveraging Generative AI for Applications in Synthetic Biology**
Aleksej Zelezniak, Associate Professor, Chalmers University of Technology

15:20 — **DDLS Research School**
Peetra Magnusson, Olof Emanuelsson, DDLS Research school directors

15:30 — **Session Introduction**
Moderator: Mariana Pires Braga, Poster jury

15:35 — **Flash Talks**
Short talks selected from poster presentations

16:00 — **Poster session with snacks and drinks**

17:30 — **End of Day**

Thursday, November 14

08:30 — **Doors open**
Be seated by 09:00

09:00 — **Session Introduction**
Moderator: Chris Erdmann, Head of Open Science, SciLifeLab

09:05 — **Open science for community-centred adoption of data science and AI: Insights from The Turing Way**
Malvika Sharan, Senior Researcher, The Alan Turing Institute, London, UK

09:50 — **Session Introduction**
Moderator: Peetra Magnusson, DDLS Research School Director

09:55 — **Structure prediction and design of protein interactions**
Patrick Bryant, DDLS Fellow, Stockholm University

10:15 — **Reconstructing the regulatory programs underlying neural cancer plasticity**
Sven Nelander, Professor, Uppsala University

10:35 — **Coffee break**

11:05 — **Session Introduction**
Moderator: Oliver Billker, DDLS Research area lead

11:10 — **Deciphering sex differences in human immunity using systems immunology**
Camila Consiglio, DDLS Fellow, Lund University

11:30 — **Gene regulation of human cell systems**
Roser Vento-Tormo, Group leader, Wellcome Sanger Institute, UK

11:50 — **Building Open Science Together: A Collaborative Session on Tools and Approaches to Meet FAIR and Open Science Guidelines and Policies**
Chris Erdmann, Head of Open Science, SciLifeLab

12:20 — **Best Poster Award ceremony and Closing words**
Olli Kallioniemi, Director DDLS program

12:30 — **Buffet Lunch**
Panorama Restaurant

13:30 — **Workshops arranged by Data Centre**
Separate pre-registration necessary

Room: Sofokles	*Room: Platon*	*Room: Eros*
Hands-on with Large Language Models	**Packaging and sharing data science applications as Docker container images**	**How to boost your career using Open Science**
Ola Spjuth, SciLifeLab and AI data engineers at SciLifeLab Data Centre.	*Data Engineers at the SciLifeLab Data Centre*	*Joanna Sendecka, Suné Joubert, Parul Tewatia, SciLifeLab Data Center Ineke Luijten, SciLifeLab Training Hub*