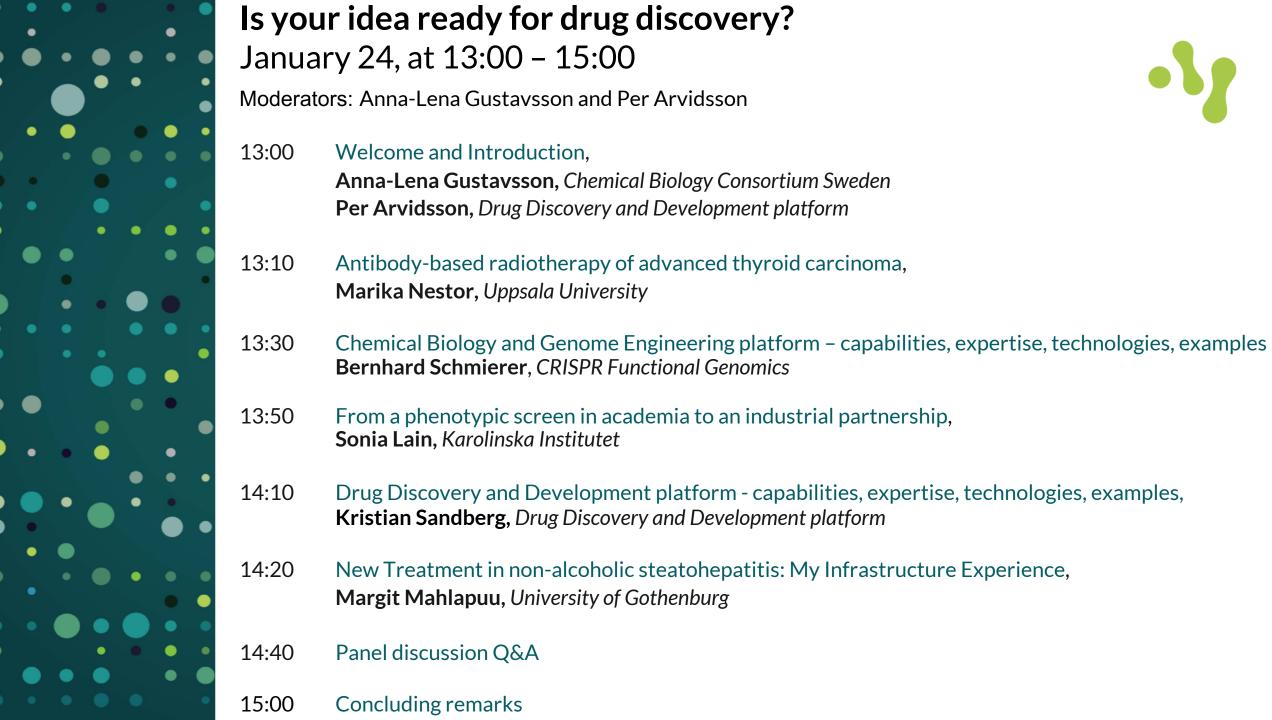


SciLifeLab Infrastructure outreach week

January 24-27, 2022 on Zoom

During four sessions we would like to highlight our capabilities to provide services within the research areas 1) drug discovery, 2) precision medicine, 3) ecosystem surveillance and evolutionary biology and 4) structural biology.

We will present relevant technologies available at SciLifeLab and illustrate their utilization by user cases related to the topic of each session





Towards enabling Precision and Translational Medicine

January 25, at 11:00 – 13:00

Moderator: Päivi Östling, Karolinska Institute



11:00	Welcome and Introduction,
	Päivi Östling, Karolinska Institute

11:20 Clinical management based on individual monitoring of minimal residual disease (MRD) in myelodysplastic syndrome,

Eva Hellström Lindberg, Karolinska Institute

11:35 Data-driven molecular hallmarks of acute myeloid leukemia **Tom Erkers,** *Karolinska Institute*

11:50 Break

12:00 A plunge into the complex immune response to malaria Christopher Sundling, *Karolinska Institute*

12:15 TBA

Shahrzad Shirazi Fard, *Karolinska Institute*

12:30 Metabolic health during and after pregnancy in women with obesity or gestational diabetes, Ulrika Andersson Hall, University of Gothenburg

12:45 Panel discussion Q&A



Evolution, molecular ecology and environment

January 26, at 10:00 - 12:00

Moderator: Magnus Lundgren, Uppsala Universtiy



10:00	Welcome and Introduction, Olga Vinnere-Pettersson, SciLifeLab National Genomics Infrastructure

10:15 Early Pleistocene DNA unravels the genomic history of mammoths, Love Dalén, Swedish Museum of Natural History

10:30 Characterization of complex host-parasite systems for understanding their interactions, Maliheh Mehrshad, SLU

10:45 Using RNA Sequencing to study interactions between forest trees and root associated fungal species, Nathaniel Street, Umeå University

11:00 Break

11:15 Evolution of Cellular Complexity in Bacteria, Siv Andersson, Uppsala University

11:30 Sequencing the supergene that governs Darwin's "different forms of flowers" **Tanja Slotte**, Stockholm University

11:45 Panel discussion Q&A



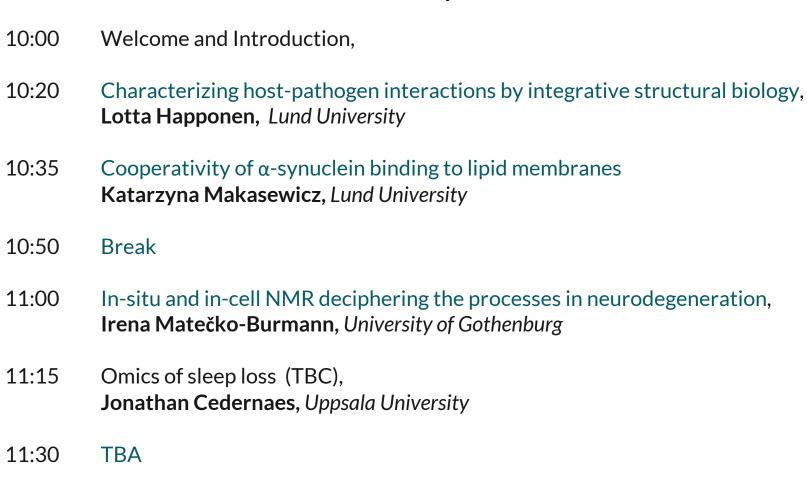
11:45

Visualising life at the molecular level

January 27, at 10:00 - 12:00

Panel discussion Q&A

Moderator: Marta Carroni, Stockholm University















SciLifeLab has been created by the coordinated effort of four universities in Stockholm and Uppsala: Stockholm University, the Karolinska Institutet, KTH Royal Institute of Technology and Uppsala University.