



## Lunch seminar series – SciLifeLab Gothenburg

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SciLifeLab ([www.scilifelab.se](http://www.scilifelab.se)) is a national infrastructure within life science with a wide range of advanced technology and expertise. The newly started SciLifeLab site in Gothenburg includes units at both the University of Gothenburg and Chalmers University of Technology and has a strong connection to Sahlgrenska University Hospital. This seminar series is started with an overview of the site, followed by presentations by the individual units.

**On-site location:** *Assembly Room Birgit Thilander, Medicinaregatan 3*

*A light lunch will be offered during the talks.*

*Please register by e-mail to [maria.smedh@gu.se](mailto:maria.smedh@gu.se), one week in advance of each seminar.*

**On-line location:** <https://gu-se.zoom.us/j/61379679205?pwd=Zm1Pelh4czhoS1pyYSs1ZytFRTlyQT09>

*No registration needed!*

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Monday 3/10, 12:00 – 13:00, Assembly Room Birgit Thilander

### **The SciLifeLab national site in Gothenburg**

Maria Smedh

An overview of the national infrastructure SciLifeLab and the site in Gothenburg.

Tuesday 11/10, 12:00 – 13:00, Assembly Room Birgit Thilander

### **Clinical Genomics Gothenburg - Infrastructure and Research services**

Meena Kanduri

Join us to learn more about the NGS-based services and the bioinformatic support that we offer here in Clinical Genomics Gothenburg (CGG) unit with a focus towards translational and clinical research.

Monday 24/10, 12:00 – 13:00, Assembly Room Birgit Thilander

### **Swedish NMR Centre - NMR in life sciences**

Göran Karlsson

The Swedish NMR Centre is a national research infrastructure offering metabolomics, protein-drug interaction studies and protein structure and dynamics characterization

Tuesday 1/11, 12:00 – 13:00, Assembly Room Birgit Thilander

### **Bioinformatics and Data Center - A bioinformatics hub supporting biomedical and clinical research**

Marcela Davila / Per Sikora

In this seminar, we will present the new setup for bioinformatics and infrastructure support at Core Facilities. The Bioinformatics and Data Centre provides high-throughput techniques for biomedical, clinical and pre-clinical research; a wide range of support in bioinformatics and statistics is available - from short term consulting to long term project support and training; general consulting and support for HPC hardware and software infrastructure development and storage for “big data”.

Tuesday 8/11, 12:00 – 13:00, Assembly Room Birgit Thilander

### **NBIS - Bioinformatics and data support at SciLifeLab**

Thomas Svensson

NBIS, National Bioinformatics Infrastructure Sweden, is a distributed national research infrastructure. We are the SciLifeLab bioinformatics platform and the Swedish node in Elixir, a European intergovernmental organisation bringing together life science resources from across Europe. We offer bioinformatics support, infrastructure and training.

Monday 21/11, 12:00 – 13:00, Assembly Room Birgit Thilander

**Glycoproteomics - How to analyze the importance of protein glycosylation**

Carina Sihlbom

Changes in the glycosylation of proteins is one of the first signs of a disease, and advanced mass spectrometry is central for the study of such protein structure.

Monday 28/11, 12:00 – 13:00, Assembly Room Birgit Thilander

**The Centre for Cellular Imaging - A research infrastructure for correlated multimodal imaging**

Julia Fernandez-Rodriguez

The CCI specializes in 3D correlative imaging, i.e. the sequential combination of two or more imaging techniques to gain knowledge across multiple scales

Tuesday 6/12, 12:00 – 13:00, Assembly Room Birgit Thilander

**OligoNova Hub - National resource for development of oligonucleotide therapies**

Pär Matsson

We will present OligoNova Hub and the capabilities we provide for academic researchers to transform their scientific discoveries into new oligonucleotide therapies.

Tuesday 13/12, 12:00 – 13:00, Assembly Room Birgit Thilander

**SciLifeLab Metabolomics platform - Metabolomics for the masses**

Otto Savolainen

Metabolites reflect the interaction between the gene cascade and surrounding exposures and are therefore essential components in all living organisms. Metabolites can be used to identify biomarkers of both health conditions and environmental exposures. The SciLifeLab Metabolomics platform offers a range of services for researchers interested in metabolomics.

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