

Integrated Structural Biology workshop

August 23 – 24, 2023



Organised by SciLifeLab, Integrated Structural Biology
Cecilia Persson, cecilia.persson@nmr.gu.se

Please register via

[https://www.lyyti.fi/reg/Integrated Structural Biology workshop](https://www.lyyti.fi/reg/Integrated_Structural_Biology_workshop)

August 23, 9.00 - 17.00

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|-------------|---|---|
| 9-9.15 | Welcome and introduction | Cecilia Persson, Swedish NMR Centre
https://www.scilifelab.se/units/swedish-nmr-centre/ |
| 9.15-10 | Protein Production Sweden – PPS | Wolfgang Knecht, PPS, Lund University
https://www.gu.se/en/pps |
| 10-10.45 | ProLinC | Dean Derbyshire / Maria Sunnerhagen,
ProLinC, Linköping University
https://liu.se/forskning/prolinc |
| 10.45-11.00 | <i>Coffee / Break</i> | |
| 11-11.45 | Structural Proteomics - Hydrogen/Deuterium eXchange- and Crosslinking Mass Spectrometry for mapping protein-protein and protein-ligand interaction | Simon Ekström / Lotta Happonen
Structural Proteomics, Lund University
https://www.scilifelab.se/units/structural-proteomics/ |
| 11.45-12.30 | Swedish NMR Centre | Cecilia Persson / Tobias Sparrman
Swedish NMR Centre, University of Gothenburg and
Umeå University
https://www.scilifelab.se/units/swedish-nmr-centre/ |

- 12.30-13.15 *Lunch*
- 13.15-14.15 **Cryo-EM** Marta Carroni / Michael Hall
Cryo-EM Facility, Stockholm University and Umeå University
<https://www.scilifelab.se/units/cryo-em/>
- 14.15-14.30 *Coffee / Break*
- 14.30-16 **MAX IV/ESS** Esko Oksanen and Thomas Ursby
ESS and MAX IV, Lund University
<https://www.lu.se/forskning/max-iv-och-ess>
- 16-16.45 **Discussion and wrap-up of Day 1**

August 24, 9.00 – 11.30

We will continue the presentations, and then wrap up with a case study from Linköping University. We also have a time slot to discuss the availability of infrastructures in Sweden and if there are missing parts or suggestions for changes from the users.

- 9.00-9.45 **Data handling, AlphaFold** Claudio Mirabello
NBIS, Linköping University
<https://nbis.se/>
- 9.45-10.10 **InfraLife** – How to bring infrastructures closer to industry and health care

Josefin Lundgren Gawell, SciLifeLab
Claire Lyons, SciLifeLab, MAX IV
- 10.10-10.20 *Break / Coffee*
- 10.20-11.00 **Case study** - *The dynamic interaction of the N-Myc oncoprotein and the protein kinase Aurora A*

Johanna Hultman
Linköping University
- 11.00-11.30 **General questions and discussion**
Future needs from infrastructures?
Fora for interactions?
Wrap up!

Welcome!

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