

Welcome to



Integrated Structural Biology
5th users meeting

December 11, 2025

Widerströmska huset, Tomtebodavägen 18a, room Charles

9.00-9.10 **Welcome and introduction**

9.10-10.10 **User presentations**

Daniel Colquhoun, Uppsala University

Discovery and Rational Design of Novel Sirt6 Activators Targeting an Allosteric Binding Pocket

Adrián González Lopez, Uppsala University

Structural mechanism of FusB-mediated rescue from fusidic acid inhibition of protein synthesis

Ajda Krc Habjan, Stockholm University

Architecture and Assembly of the Botulinum Neurotoxin B Large Progenitor Toxin Complex

10.10-10.40 **Fika**

10.40-11.20 **User presentations**

Guillaume Gaullier, Uppsala University

Encapsulation and regulation of α -carboxysomal carbonic anhydrase

Axel Abelein, Karolinska Institute

From Structure to Treatment - Molecular insights into chaperone-amyloid interactions for biomimetic treatment of neurodegenerative diseases

11.20-12.00 **Towards Integrated Data Service (IDS)**

Wojtek Potrzebowski and Filip Årman, Lund University

12.00-13.00 Lunch

13.00-14.30 **Flash talks from infrastructures**

Protein Production Sweden (PPS), Tomas Nyman, KI
ProLinC, Dean Derbyshire, Linköping University
Cryo-EM, Stockholm University + Umeå University
Swedish NMR Centre, Cecilia Persson, University of Gothenburg
Structural Proteomics, Simon Ekström, Lund University
PReSTO, Martin Moche, Karolinska Institute

14.30-15.00 Fika

15.00-16.00 **User presentations and wrap-up**

Johanna Hultman, Linköping University

The N-Myc MB0-MBI region interacts specifically and dynamically with the N-lobe of Aurora kinase A

Gabriel Ducrocq, Uppsala University

cryoSPHERE: Single-particle heterogeneous reconstruction from cryo EM

Chandan Vishwakarma

Structural and functional characterization of protein involved in oxidative stress

