NMR in Structural Biology and Metabolomics

February 28th, 2018. Segerfalksalen, BMC,
organized by Molecular Recognition in Life (MoReLife)

Program

09:30  Coffee/tea and Registration

10:00  Welcome address. MoReLife general intro, Kajsa Paulsson, M-fak, LU

10:10  Introduction to NMR in Life Science, Mikael Akke, LTH, LU

Structural Biology session

10:30  Olof Stenström, Biophysical Chemistry, LU
Entropy–Entropy Compensation in Protein–Ligand Binding

10:50  Jenny Andersson, Physical Chemistry, LU
Effect of Cholesterol on the Molecular Structure of a Clinical-Grade Lung Surfactant Extract, Investigated by Solid-State NMR

11:10  Anders Pedersen and Daniel Malmodin, University of Gothenburg
The Swedish NMR Center: Structural Biology and Metabolomics

12:00  Lunch

Metabolomics session

13:00  Anders Malmendal, Biochemistry & Structural Biology, LU
NMR Metabolomics of Flies and Men

13:20  Peter Spégel, CAS, LU
Metabolomics as a Tool to Understand Metabolic Diseases

13:40  Simon Ekström, BioMS, LU
HDX-MS services available at BioMS - The Swedish National Infrastructure for Biological Mass Spectrometry

13:50  Vladimir Denisov, M-fak, LU
Hyperpolarized metabolomic NMR

14:10  Joao Duarte, M-fak, LU
Brain Energy Metabolism Studied In Vivo by NMR

14:30  Coffee/tea

Structural Biology session, Keynote

15:00  Birthe Kragelund, Department of Biology, University of Copenhagen
Rethinking Protein Interactions by Disorder

15:45  Questions from the audience and discussion about future needs and interests related to NMR and metabolomics.
What are your needs in Structural Biology, Ligand screening, or Metabolomics?
How do I get access to the Swedish NMR Center?

16:30  The End

Register latest 23rd of February by email to kajsa_m.paulsson@med.lu.se
(no registration fee, but please provide full name, affiliation and dietary preferences)