Structural Biology and NMR Laboratory (SBiNLab)

At SBiNLab we are experts in employing state-of-the-art NMR and computational methods to characterize the structure, folding and dynamics of proteins.

Research includes:

(i) Intrinsically disordered proteins,
(ii) The relationship between structure, dynamics and function of proteins incl. enzymes,
(iii) Methods to integrate NMR and computation
(iv) Applications of (i)-(iii) in the study of biological processes.

www.bio.ku.dk/sbinlab
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New NMR equipment in SBiNLab 2015 funded by the Velux Foundations
inaugurated Nov 2015

Bruker 750 MHz/cryo TCI probe
Bruker 600 MHz/cryo QCI probe
Agilent 800 MHz/RT probe

High-performance computing
CD, fluorescence spectroscopy
Stopped-flow kinetics
Calorimetry (ITC, DSC)
Protein production
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• Structure
• Dynamics
• Function and Interaction

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User fees for external users (not collaborations) in DKK

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<th>Time</th>
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ISBUC
Integrative Structural Biology at UCPH

www.isbuc.ku.dk