



VABILO NA PREGLOV KOLOKVIJ / INVITATION TO THE PREGL COLLOQUIUM

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Četrtek / Thursday, 12. 05. 2011, ob / at 13:00

**Velika predavalnica Kemijskega inštituta / Lecture Hall at the
National Institute of Chemistry; Hajdrihova 19, Ljubljana**

Protein misfolding and membrane interactions studied by solid state NMR spectroscopy

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Amyloid fibrils or proteinaceous aggregates are not easily accessible to high-resolution structure determination, as they are neither crystalline nor soluble. In the recent decade, solid-state NMR spectroscopy has developed into a powerful tool to study even larger complex biological systems¹.

Here, we give an overview over the large field of applications of solid-state NMR-spectroscopy in Biology. We report studies on different amyloidogenic proteins as well as the interaction between two membrane proteins. Finally, we show results obtained on a paramagnetic model protein.

¹ Heise, H. (2008). Solid-state NMR spectroscopy of amyloid proteins. *ChemBioChem* 9, 179-189.

Vljudno vabljeni! / Kindly invited!