



# Slovenian NMR Centre

@ National Institute of Chemistry

vabi na **PREDAVANJE**:

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z naslovom:

## **NMR-based metabolomics: insights into diabetes, diurnal rhythms and bioprospecting**

**v ponedeljek, 28. septembra 2015 ob 11:00**

v Veliki predavalnici na Kemijskem inštitutu, Hajdrihova 19, Ljubljana

### *Kratek povzetek:*

NMR-based metabolomics studies in conjunction with multivariate statistical analysis, is increasingly becoming an important tool to study the metabolome of plants, insects and animals. Metabolomics, the new kid on the "omics"-block has in recent times, has found applications in diverse areas of science ranging from human disease, phytomedicinal bioprospecting, plant-insect interactions, entometabolomics, food and wine technology, agricultural science, forensic science, environmental science and even social behaviour!

I will discuss a few recent projects from our group, namely a study of correlations between obesity and type-2 diabetes in a South Indian Asian human population, diurnal rhythms of *Drosophila melanogaster* (fruitflies) under strong cues of temperature and light, and an interesting example of plant-insect interactions that we came across while bioprospecting for a plant-based anticancer drug!

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