



## **EU-NMR Workshop**

### **NMR-based Metabolomics**

**April 30, 2008**

European Centre for High field NMR, Lyon, France.

#### Program

- 9:00 Introduction
- 9:15 **Christian Ludwig** (HWB-NMR, Birmingham)  
*Optimized protocols for NMR based metabolomics*
- 10:15 Coffee Break
- 10:45 **Hartmut Schaefer** (Bruker Biospin, Karlsruhe)  
*Tools for Metabolomics NMR and High Throughput Screening*
- 11:45 **Marc-Emmanuel Dumas** (CRMN/RALF-NMR, Lyon)  
*Integration of metabolomics with other "omics"*
- 12:45 Lunch
- 14:00 **Ulrich Günther** (HWB-NMR, Birmingham)  
*Hyperpolarisation of biological matrices*
- 15:00 **Claudio Luchinat** (CERM, Florence)  
*First "metabolomic" steps at CERM*
- 16:00 Closure

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*The EU-NMR workshop will give an overview of the new NMR methods for metabolomics. The lectures will explain the basic concepts and give special attention to the practical implementation of the methods.*

*The workshop is organised by the EU-NMR Research Infrastructures of Frankfurt, Utrecht, Florence, Birmingham, and Lyon.*

*Registration for the workshop can be done at <http://workshop.ralf-nmr.fr>*

