

## Quantitative NMR day



Rome, 12 May 2014

Quantitative NMR (qNMR) is now widely used in several branches of academic and industrial research, ranging from organic chemistry to metabonomic studies. This one-day workshop will present the theoretical and practical applications of this powerful technique. Applications in chemistry, metabonomics, industrial processes using both 1D and 2D quantitative NMR will be discussed. A lecture on statistical analysis of the data will also be included.

The registration fee, also covering the costs of a buffet lunch, is of 40 euros for non-GIDRM applicants and of 30 euros for GIDRM applicants. The 40 euros fee includes the annual subscription to GIDRM. The deadline for registration is May 2<sup>nd</sup> 2014.

For registration visit the GIDRM website [www.gidrm.org](http://www.gidrm.org). For information contact [qNMR@gidrm.org](mailto:qNMR@gidrm.org).

### PROGRAM

**9.00-9.30:** Registration and welcome

**9.30-10.30:** R. Lamanna (ENEA Research Center of Trisaia, Italy)  
Methods in quantitative NMR

**10.30-11.30:** E. Libralesso (Menarini Research, Florence, Italy)  
Quantitative <sup>1</sup>H NMR: tips, tricks and applications

**11.30-12.30:** V. Gallo (Polytechnic University of Bari, Italy)  
Validation of quantitative NMR: results of the first Italian NMR interlaboratory comparison

**12.30-13.30:** L. Tenori (University of Florence, Italy)  
Applications of metabolomics: from individual fingerprint to milk analysis

**13.30-14.30:** Buffet lunch

**14.30-15.30:** M. Sette (University of Rome "Tor Vergata", Italy)  
Quantitative 2D NMR : principles and applications

**15.30-16.30:** M. Tessari (University of Nijmegen, The Netherlands)  
Pure shift NMR techniques for quantitative analysis of complex spectra

**16.30-17.15:** C. Dallacosta (Bruker, Italy)  
Bruker software tools for quantitative NMR

**17.15-18.00:** M.A. Cremonini (Agilent, Italy)  
CRAFT applications in metabolomics and quantitative analysis

