



**UNIMORE**  
UNIVERSITÀ DEGLI STUDI DI  
MODENA E REGGIO EMILIA



**GIDRM**  
Gruppo Italiano Discussione Risonanze Magnetiche

Dipartimento di Scienze Chimiche e Geologiche – Dipartimento di Scienze della Vita

# NMR and metabolic profile of human, animal, vegetable tissues and cells

Modena, 25 giugno 2014

**10:00** Registration

**10:30** Opening

**10:40 Prof. S. Cerdan**, Instituto de Investigaciones Biomedicas "Alberto Sols", Madrid

*The  $^1\text{H}$  and  $^{13}\text{C}$  HRMAS basis of functional MR imaging during cerebral appetite regulation.*

**11:20 Prof. A. Piccolo**, CERMANU, Università di Napoli Federico II

*NMR Metabolomics for the certification of terroir for wine and vine*

**12:00 Dr. N. Culeddu**, Istituto di Chimica Biomolecolare del CNR di Sassari

*HR-MAS based metabolomic fingerprinting of early and recurrent hepatocellular carcinoma*

**12:30 Dr.ssa V. Righi**, Dip. di Scienze per la Qualità della Vita, Università di Bologna

*NMR in cells and eating disorders*

**13.00 -14.20 Buffet lunch**

**14.20 Dr.ssa S. Mari**, R4R Consulting

*Metabolomics of Intact Tissues: Discrimination Between Different Regions of Osteolytic Lesions in a Multiple Myeloma Patient using  $^1\text{H}$  HRMAS NMR spectra*

**15:10 Dr.ssa F. Benevelli**, Bruker Italia  
*NMR application in clinical and food analysis*

**15.40 Dr. M. Cremonini**, Agilent Technologies Italy  
*Quantification of NMR data of beverages by time-domain analysis*

**16.10** Panel Discussion

## Aim

To show how **high-resolution NMR** can detect the biochemical profile of liquid or semi-solid samples to monitor the health state and the biochemical alterations of human, animal or vegetable tissues and cells.

## Where

Via G. Campi, 183 – Modena  
Aula PT1, ground floor

## Registration

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 **June the 10<sup>th</sup> 2014**. For registration visit the GIDRM website [www.gidrm.org](http://www.gidrm.org). For information contact [modena@gidrm.org](mailto:modena@gidrm.org).



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