

# GIDRM NMR Day

## NMR in nanotechnology: applications and challenges

**Monday, March 23<sup>rd</sup> 2015 – Aula della Vigna**  
**Department of Chemical Sciences, University of Padova, Via**  
**Marzolo 1, Padova**

The event aims at creating new synergies between groups involved in the study of nanosystems and their applications in different fields and groups who are applying NMR to these systems and developing new NMR methods for their characterization

### Program

**9.30-10.15** Registration

**10.15-10.30** Opening: **GIDRM board**

**Chair:** **Paolo Scrimin** (University of Padova)

**10.30-11.20** **Luisa De Cola** (University of Strasbourg)

Stimulus responsive formation and destruction of nanomaterials

**11.20-11.50** **Federico Rastrelli** (University of Padova)

NMR of monolayer-protected nanoparticles

**11.50-12.20** **Fabio Arnesano** (University of Bari "Aldo Moro")

Protein interactions with inorganic nanoparticles

**12.20-12.50** **Lucia Pasquato** (University of Trieste)

Assessment of ligand organisation of mixed-monolayer protected nanoparticles by NMR studies

**12.50- 14.15** Lunch

**Chair:** **Fabrizio Mancin** (University of Padova)

**14.15-14.45** **Luca Prodi** (University of Bologna)

Dye doped silica nanoparticles as luminescent organized systems for nanomedicine

**14.45-15.15** **Barbara Perrone** (Bruker Biospin)

Solid-State NMR methods for nanoparticles studies

**15.15-15.45** **Michael Assfalg** (University of Verona)

Protein-soft nanoparticles association equilibria: recognition and dynamics

**15.45-16.15** **Silvia Borsacchi** (University of Pisa)

Looking inside organic-inorganic nanostructured materials by Solid State NMR spectroscopy

**16.15** **Fabrizio Mancin** (University of Padova)

Concluding remarks

### Info

Participants are kindly recommended to register by completing and submitting, by March 21<sup>st</sup> 2015, the online registration form available at [www.gidrm.org](http://www.gidrm.org)

**Registration fees:**

50 € for non-GIDRM members (the fee includes GIDRM 2015 subscription);  
30 € for GIDRM 2015 members.

**Contacts:** [direttivo@gidrm.org](mailto:direttivo@gidrm.org)

