

# Europe meets Italy with paramagnetic NMR

A joint symposium  
of the European pNMR  
consortium and  
the GIDRM

Venice,  
Isola di San Servolo  
28 September 2016  
[venice.pnmr.eu](http://venice.pnmr.eu)



A journey into paramagnetic NMR, between theory and experiments, solution and the solid-state, with applications ranging from chemistry to biology, including catalysts, battery materials, metalloproteins and large protein-protein assemblies



*Gruppo Italiano Discussione Risonanze Magnetiche*

## Confirmed speakers:

Jozef Kowalewski (Stockholm)  
Clare Grey (Cambridge)  
Lyndon Emsley (Lausanne)  
Claudio Luchinat (Florence)  
Christophe Copéret (Zurich)  
Nicolas Giraud (Paris Orsay)  
Frank Engelke (Bruker)  
Tomas Åkerud (AstraZeneca)

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## Scientific Program

Session 1 - Wednesday 28th morning 10h30-12h30

10.30-10.40 **Guido Pintacuda** (CNRS Lyon, FR)

*Introductory remarks*

10.40-11.30 **Claudio Luchinat** (CERM, University of Florence, IT)

*Past present and future of paramagnetic NMR*

11.30-12.00 **Ladislav Benda** (TU Berlin, DE / CNRS Lyon, FR)

*What we understand and what we don't in paramagnetic NMR*

12.00-12.30 **Jozef Kowalewski** (Stockholm University, SE)

*Paramagnetic relaxation in solution: an overview*

12.30-14.00 **Lunch break**

Session 2 - Wednesday 28th afternoon 14h00-16h00

14.00-14.30 **Tomas Åkerud** (AstraZeneca, Molndal, SE) *Paramagnetic NMR in the pharmaceutical industry*

14.30-15.00 **Federico Rastrelli** (University of Padova, IT)

*A study on the topology of mixed monolayer nanoparticles by paramagnetic tagging*

15.00-15.30 **Nicolas Giraud** (Université Paris-Sud, Orsay, FR)

*Paramagnetic NMR: a toolbox for probing supramolecular interactions involving lanthanide complexes*

15.30-16.00 **Michael Assfalg** (University of Verona, IT)

*Transient protein-nanoparticle interactions investigated by solution NMR*

16.00-16.30 **Coffee Break**

Session 3 - Wednesday 28th afternoon

16.30-17.00 **Lyndon Emsley** (EPFL Lausanne, CH)

*Paramagnetic Polarization sources for DNP*

17.00-17.30 **Christophe Copéret** (ETH Zurich, CH)

*title to be announced*

17.30-18.00 **Steven P. Brown** (University of Warwick, UK)

*Ab-Initio Random Structure Searching, Powder X-Ray Diffraction and NMR Crystallography for Molecular Organic Solids*

19.45 onwards aperitif and dinner