

Symposium Program

Monday 26, November

09.00 Registration, Welcome Coffee and Poster setup

10.15 Welcome

10.30 Educational Session 1

Maria Bennati (Max Planck Institute for Biophysical Chemistry)
Dynamic Nuclear Polarization

11.30 Break

11.45 Educational Session 2

Melinda Duer (University of Cambridge)
Solid-state NMR spectroscopy: structure determination without 3D order

13.00 Lunch

14.00 Poster Session 1

14.40 Opening/Session 1

14.40 *Karen Stroobants (KUL)*
**Polyoxometalates as a novel class of artificial proteases:
Insights by multinuclear NMR spectroscopy**

15.00 *Pierre Danhier (UCL)*
**Multimodal Cell Tracking of a Spontaneous Metastasis Model:
Comparison between MRI, Electron Paramagnetic Resonance and
Bioluminescence**

15.20 *Quoc-Lam Vuong (Umons)*
**Relaxation models for paramagnetic and superparamagnetic MRI
contrast agents.**

15.40 *Andrew Tatton (ULg)*
**Characterising pharmaceuticals using ^{15}N -edited and ^{14}N - ^1H HMQC
solid-state NMR method.**

16.00 Coffee break (Sponsored by Euriso-Top) and Poster Session 2

16.50 Session 2

- 16.50 *Sophie Carron (KUL)*
Development of Novel Bimodal Contrast Agents for Cancer Diagnostics
- 17.10 *Radu Huculeci (VUB)*
Unravelling the intramolecular information exchange within Fyn SH2
- 17.30 *Paolo sabatino (U. Gent)*
NMR Investigation of Exchange Dynamics and Binding of Phenol and Phenolate in DODAC Vesicular Dispersions
- 17.50 *Maria Bennati (Max Planck Institute for Biophysical Chemistry)*
Double resonance techniques (EPR/NMR): from sensitivity enhancement for EPR to applications in biological science

18.40 Round Table/free discussion

20.00 Dinner and dancing party

Tuesday 27, November

09.30 Session 3

- 09.30 *Anca Croitor (KUL)*
(High-resolution Magic Angle Spinning NMR spectroscopy describes glial brain tumour histopathological features
- 09.50 *Maria-Angeles Ceregado (VUB)*
(Cbl-b promotes different recognition modes in CD2AP and CIN85 N-terminal Src homology 3 domains.
- 10.10 *Nick Peys (U. Hasselt)*
Acquiring insights in the synthesis of an aqueous citrato-oxovanadate(IV) precursor by Magnetic Resonance techniques
- 10.30 *Damine Jacobs (UCL)*
High Resolution Diffusion Tensor Imaging and Tractography In Vivo of Rat Spinal Cord Injury at 11.7 T

10.50 Coffee Break and Poster Session 3

11.50 Session 4

- 11.50 *Feng Lin (U. Antwerp)*
Obtaining information about nanoporous materials from spin probing and EPR
- 12.10 *Sofie Van Cauwer (KUL)*
Comparison of diffusion kurtosis imaging, dynamic susceptibility-weighted MR imaging and short echo time chemical shift imaging for grading gliomas.
- 12.30 *Yann Streckx (VUB)*
SAXS and NMR-derived Conformational Ensemble of a Highly Flexible Antitoxin

13.00 Lunch

14.00 Poster Session 4

14.50 Session 5

- 14.50 *Melinda Duer (University of Cambridge)*
Heavy mice and lighter things: using solid-state NMR to elucidate molecular structures in tissues
- 15.40 *Emmanuel Cornet (UCB Pharma)*
A view on UCB Pharma as a global pharmaceutical player – spotlight on the utility of NMR

16.00 Coffee break

- 16.20 *Gilles Bruylants (ULB)*
Input of NMR spectroscopy to elucidate the growth mechanism of gold nanoparticles by citrate reduction.
- 16.40 *Carmella Aprile (FUNDP)*
Solid State NMR as Fundamental Tool for Applied Materials Chemistry

17.00 Awards / Closure