

NMR Discussion Group Christmas 2005 Meeting

Thursday 15th December 2005

Main Building, Birkbeck College, Malet Street, London WC1E 7HX

Morning session chair: Stephen Byard, Sanofi-Aventis Research

- 10.00 - 10.30 Registration and refreshments
- 10.30 - 10.35 Introduction and welcome
- 10.35 - 11.05 **James Keeler, University of Cambridge**
Zero-quantum dephasing and related experiments
- 11.05 - 11.40 **Paul Hodgkinson, University of Durham**
Solid-state NMR of Organics: What are the limits on resolution?
- 11.40 - 12.10 **Sharon Ashbrook, University of Cambridge**
Resolution and Sensitivity in Solid State NMR of Quadrupolar Nuclei
- 12.10 - 12.45 **Gareth Morris, University of Manchester**
Diffusion, Damping and 5-scaling
- 12.45-13.55 Buffet Lunch

Afternoon session chair: Peter Meadows, Jeol UK.

- 13.55 - 14.00 NMRDG Business
- 14.00 - 14.40 **Ray Freeman, University of Cambridge**
How to speed up multi-dimensional NMR spectroscopy
- 14.40 - 15.00 **Olivier Cloarec, Imperial College, London**
Chemometrics and NMR: Applications in Metabonomics
- 15.00 - 15.35 **Andrew Phillips, AstraZeneca, Macclesfield**
The use of new NMR techniques within pharmaceutical development
- 15.35 - 15.55 **Jonathan Byrne, University of Liverpool**
The effect of DMSO versus CDCl₃ solvent on ¹H Chemical Shifts and the inclusion of solvent effects in the CHARGE model
- 15.55 - 16.30 **Derek Maitland, University of Bradford**
Adventures in the Structure Elucidation of Natural Products and other molecules; the challenges, approaches and tricks of the trade
- 16.30 - 16.35 Closing remarks