

# NMR DiscussionGroup Christmas 2009 Meeting

Wednesday 16<sup>th</sup> December 2009

**Institute of Child Health, 30 Guilford Street, London WC1N 1EH**

***Morning session chair: Tim Claridge, University of Oxford***

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| 10.00 – 10.25 | Registration and refreshments   |
| 10.25 – 10.30 | Introduction and welcome  |
| 10.30 – 11.15 | <b>Jeremy Nicholson, <i>Imperial College, London</i></b><br>Understanding Metabolic Supersystems via Statistical Spectroscopy                         |
| 11.15 – 11.35 | <b>Adolfo Botana, <i>University of Manchester</i></b><br>Oneshot.45 and T <sub>1</sub> -DOSY: the gun and the knife of mixture analysis               |
| 11.35 – 12.10 | <b>Glyn Williams, <i>Astex Therapeutics</i></b><br>From Clone to Clinic: Biophysical Methods in Fragment-Based Drug Design                            |
| 12.10 – 12.30 | <b>John Griffin, <i>University of St. Andrews</i></b><br>Disorder and Dynamics in Inner-Earth Minerals Probed by DFT Calculations and Solid-State NMR |
| 12.30 – 12.45 | NMRDG Business  |
| 12.45 – 13.50 | Buffet Lunch  |

***Afternoon session chair: David Neuhaus, MRC Laboratory of Molecular Biology, Cambridge***

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| 13.50 – 14.40 | <b>Gary Martin, <i>Schering-Plough, USA</i></b><br>Smaller Samples of Small Molecules in Tiny Tubes and Other Things of Interest  |
| 14.40 – 15.15 | <b>David Middleton, <i>University of Liverpool</i></b><br><i>Solid-state NMR studies of biomolecular complexes and assemblies</i> |
| 15.15 – 15.50 | <b>Steve Homans, <i>University of Leeds</i></b><br>What drives ligand-protein interactions?                                       |
| 15.50 – 16.25 | <b>Mike Williamson, <i>University of Sheffield</i></b><br>Chemical shifts – little changes tell us big things                     |
| 16.25 – 16.30 | Closing remarks   |
| 16.30 -       | Refreshments and departure  |