

NMR Discussion Group Christmas 2008 Meeting

Thursday 11th December 2008

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

Morning session chair: Sharon Ashbrook, University of St. Andrews

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| 10.00 – 10.25 | Registration and refreshments |
| 10.25 – 10.30 | Introduction and welcome |
| 10.30 – 11.05 | Malcolm Levitt, University of Southampton
Long-lived nuclear spin states in solution NMR |
| 11.05 – 11.40 | Simon Duckett, University of York
<i>(Recipient of RSC Magnetic Resonance Spectroscopy Award 2008)</i>
NMR spectroscopy and parahydrogen |
| 11.40 – 12.15 | David Reid, University of Cambridge
Solid state NMR in biomineralization |
| 12.15 – 12.45 | Jonathan Yates, University of Oxford
First-principles calculation of NMR J-coupling in the solid-state |
| 12.45 – 13.50 | Buffet Lunch |

Afternoon session chair: Gareth Morris, University of Manchester

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| 13.50 – 14.05 | NMRDG Business
Presentation to Dr Irwin Jones, former NMRDG Secretary |
| 14.05 – 14.40 | Craig Butts, University of Bristol
Structure Solutions in Solution - Adventures with small molecules, NOEs and a cryoprobe |
| 14.40 – 15.15 | Walter Kockenberger, University of Nottingham
Dissolution dynamic nuclear polarisation and fast NMR spectroscopy |
| 15.15 – 15.50 | Ulrich Günther, University of Birmingham
New methods for DNP in biological applications |
| 15.50 – 16.25 | John Parkinson, University of Strathclyde
Shedding light on molecular architecture, assembly and recognition |
| 16.25 – 16.30 | Closing remarks |
| 16.30 - | Refreshments and departure |