

# NMR DISCUSSION GROUP

**Chairman:**

Dr Tim Claridge CChem MRSC  
Chairman  
Chemistry Research Laboratory, Mansfield  
Road, Oxford OX1 3TA  
Tel: +44 (0) 1865 275658  
Fax: +44 (0) 1865 285002  
Email: tim.claridge@chem.ox.ac.uk

**Secretary:**

Dr. Stephen Byard CChem FRSC  
Sanofi-aventis  
Willowburn Avenue  
Alnwick  
Northumberland NE66 2JH  
Tel: 01665 608300 Fax: 01665 603539  
Email: stephen.byard@sanofi-aventis.com

**Treasurer:**

Dr. Harry Parkes  
High Field Lab.  
Department of Medical Physics  
12 Queen Square  
LONDON WC1N 3AR  
Tel: 020 7676 2003 Fax: 020 7676 2005  
Email: h.parkes@medphys.ucl.ac.uk

**A Subject Group of the Royal Society of Chemistry  
Charity Registration No. 207890**

## NMR Discussion Group Christmas Meeting

Date of meeting: Thursday 11<sup>th</sup> December 2008

Meeting venue: Institute of Child health  
Guilford Street  
London WC1N 1EH

Dear Member,

One of the principal objectives of the NMR Discussion Group is to provide a forum for educating, sharing ideas and promoting recent developments in NMR and related disciplines. The group continues to provide such opportunities for scientists that work in many different areas associated with magnetic resonance. This is achieved through, in addition to other means, the popular Christmas meeting.

The forthcoming Christmas meeting comprises presentations covering a diverse range of highly topical subjects that will be of interest to the majority of spectroscopists of differing background, either through direct relevance or through potential applicability. An agenda is attached for your information. Please note that on this occasion, a short presentation will be made to Dr Irwin Jones in recognition of his long-standing work with the NMRDG.

The meeting will take place on Thursday 11<sup>th</sup> December at the easily accessed Institute of Child Health, London.

A map of the venue for the NMRDG meeting is shown below, with an arrow indicating the location of the main building. Alternatively, a map of the location can be found at:

<http://www.streetmap.co.uk/newmap.srf?x=530518&y=182154&z=0&sv=wc1n+1eh&st=2&pc=wc1n+1eh&mapp=newmap.srf&searchp=newsearch.srf>

The Institute of Child Health is within 10 minutes walk of Euston, King's Cross and St Pancras main line stations. Russell Square on the Piccadilly line (dark blue) and Holborn on the Piccadilly and Central lines (red) are the nearest underground stations, and are within walking distance.

If you would like to attend please complete and send the attached registration form, together with the correct remittance, to Dr Harry Parkes at the given address. All cheques

should be made payable to the 'NMRDG' and received before close of business on Monday 1st December. If you are a student, then a concessionary rate of £20 will apply. **Should you not wish to attend the meeting, but would like to continue receiving information about NMRDG activities, it is important that you provide your contact details by returning the form with the relevant sections completed.**

The registration form also provides the opportunity to submit nominations for anyone wishing to join the NMRDG committee from 2009, for a three-year term.

Please note that the date of meeting has been chosen in conjunction with the BRSg, who will host a meeting that has a complementary agenda at a nearby venue, on Wednesday 10<sup>th</sup> December 2008. Details are available using the following internet link

[http://www.iop.org/activity/groups/subject/brsg/Upcoming\\_Meetings/page\\_7266.html](http://www.iop.org/activity/groups/subject/brsg/Upcoming_Meetings/page_7266.html)

Yours sincerely,

Dr Stephen Byard, Sanofi-aventis,  
Dr Tim Claridge, University of Oxford



# NMR DiscussionGroup Christmas 2008 Meeting

Thursday 11<sup>th</sup> December 2008

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

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

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

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

# NMR Discussion Group Christmas 2008 Meeting

**Thursday 11<sup>th</sup> December 2008**  
**Institute of Child Health, 30 Guilford Street, London WC1N 1EH**

## REGISTRATION FORM

NOTE: This form may also be used to apply for inclusion in the NMR Discussion Group's mailing list even if you do not intend to come to the meeting.

Please return this form (with remittance if attending the meeting) to: Dr Harry Parkes, High Field Lab, Department of Medical Physics, 12 Queen Square, London WC1N 3AR by Monday 1<sup>st</sup> December 2008.

Please delete as appropriate:

I **do not wish** to attend the NMRDG meeting at the Institute of Child Health, Guilford Street, London WC1N 1EH, on Thursday 11th December 2008.

I **wish** to attend the NMRDG meeting at the Institute of Child Health, Guilford Street, London WC1N 1EH, on Thursday 11th December 2008.

I enclose a meeting fee (to include coffee, lunch and tea) of £40.00

I enclose a student/retired fee (to include coffee, lunch and tea) of £20.00

Total amount remitted (cheques should be made payable to NMRDG) \_\_\_\_\_

Special dietary requirements? \_\_\_\_\_

Please fill in your name and address clearly in BLOCK CAPITALS in the space below:

NAME .....

ADDRESS .....

..... Tel No.....E-mail .....

Your name, email and address will be included on the NMRDG mailing list for the next year. This information will be stored in a computer to be used only for the purpose sending you information regarding business of the NMR Discussion Group. Your details will be stored in compliance with the Data Protection Act.

☐ Tick this box if this is not acceptable to you.

If a receipt is required please enclose a stamped addressed envelope (Note: This will not be a VAT receipt).

---

## COMMITTEE NOMINATION FORM

I nominate .....for the position of NMRDG committee member. I have already obtained his/her consent for this nomination.

PROPOSED .....

Signature

Name and affiliation

SECONDED .....

Signature

Name and affiliation

Note: Closing date for nominations is Monday 1<sup>st</sup> December 2008