

NMR DISCUSSION GROUP

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

NMR Discussion Group Christmas Meeting

Date of meeting: Wednesday 16th December 2009

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 range of subjects, including recent developments in small molecule characterisation, molecular biology and metabonomics. It is intended that the presentations will be of interest to the majority of spectroscopists of differing backgrounds, either through direct relevance or through potential applicability. An agenda is attached for your information.

The meeting will take place on Wednesday 16th 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 **Friday 4th 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 one position on the NMRDG committee, which will become available in 2010, for a three-year term.

Please note that the date of meeting has been chosen in conjunction with the BRSO, who will host a meeting at a nearby venue, on Tuesday 15th December 2009. Details are available using the following internet link

http://www.iop.org/Conferences/Forthcoming_Institute_Conferences/BRSO09/index.html

Yours sincerely,

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



NMR DiscussionGroup Christmas 2009 Meeting

Wednesday 16th December 2009

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

Morning session chair: Tim Claridge, University of Oxford

- 10.00 – 10.25 Registration and refreshments
- 10.25 – 10.30 Introduction and welcome
- 10.30 – 11.15 **Gary Martin, Schering-Plough, USA**
Smaller Samples of Small Molecules in Tiny Tubes and Other Things of Interest
- 11.15 – 11.35 **Adolfo Botana, University of Manchester**
Oneshot.45 and T₁-DOSY: the gun and the knife of mixture analysis
- 11.35 – 12.10 **Glyn Williams, Astex Therapeutics**
From Clone to Clinic: Biophysical Methods in Fragment-Based Drug Design
- 12.10 – 12.30 **John Griffin, University of St. Andrews**
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

- 13.50 – 14.30 **Steve Homans, University of Leeds**
What drives ligand-protein interactions?
- 14.30 – 15.05 **Mike Williamson, University of Sheffield**
Chemical shifts – little changes tell us big things
- 15.05 – 15.40 **David Middleton, University of Liverpool**
Solid-state NMR studies of biomolecular complexes and assemblies
- 15.40 – 16.25 **Jeremy Nicholson, Imperial College, London**
Understanding Metabolic Supersystems via Statistical Spectroscopy
- 16.25 – 16.30 Closing remarks
- 16.30 - Refreshments and departure

NMR Discussion Group Christmas 2009 Meeting

Wednesday 16th December 2009
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 **Friday 4th December 2009**.

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 Wednesday 16th December 2009.

I **wish** to attend the NMRDG meeting at the Institute of Child Health, Guilford Street, London WC1N 1EH, on Wednesday 16th December 2009.

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 nominatefor 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 Friday 4th December 2009