

**The Royal Society of Chemistry
Nuclear Magnetic Resonance Spectroscopy Discussion Group**

**Thursday 21 September 2000
St. Catherine's College, Oxford**

The aim of the meeting is to have an educational and review aspect with three invited talks, one on solution state methods for small molecules, one on high resolution NMR of solids and one on *in vivo* NMR. In addition, all the other speakers will be postgraduate students working towards their PhD qualification in these subject areas.

PROGRAMME

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| 09.30 | REGISTRATION & COFFEE |
| 10.00 | <i>Modern solution state NMR methods for small molecule identification</i>
Dr. Ian Sadler (University of Edinburgh) |
| 10.50 | <i>NMR studies of oligomeric carbopeptoids</i>
Mark Watterson (University of Oxford) |
| 11.10 | <i>High resolution ^1H NMR-based metabonomic studies of acute methapyrilene toxicity in the rat</i>
Andrew Craig (Imperial College, London) |
| 11.30 | <i>Methods and applications in high resolution solid state NMR</i>
Dr. Paul Hodgkinson (University of Durham) |
| 12.20 | <i>Solid-state NMR of sulfa-drugs</i>
Alessia Portieri (University of Durham) |
| 12.40 | LUNCH |
| 14.10 | <i>In vivo NMR spectroscopy and imaging, theory and practice</i>
Prof. Peter Morris (University of Nottingham) |
| 15.00 | <i>Effect of the frequency of vibrotactile stimulation on the brain response measured using fMRI</i>
Alison Sleigh (University of Nottingham) |
| 15.20 | <i>The structure of the UvrB C-terminal domain from the UvrABC DNA repair system</i>
Alexander Alexandrovich (King's College, London) |
| 15.40 | <i>Magic-angle-spinning ^1H NMR spectroscopy of tissues: application to liver toxicity</i>
Nigel Waters (Imperial College, London) |
| 16.00 | <i>Two-dimensional localised MRS for applications in vivo</i>
John Welch (University of Oxford) |
| 16.20 | TEA |