

NMR Discussion Group - Spring Meeting

Structural Studies of Biological Macromolecules

Dear Colleague,

The spring meeting of the NMRDG will be held in the Department of Chemistry, Cambridge on Tuesday 23rd March 1993. The theme for the meeting will be 'Structural Studies of Biological Macromolecules'. The provisional program is given overleaf.

The afternoon session will also form part of an ongoing series of half-day seminars run by the Chemistry Department. These cover a wide range of topics of interest to chemists and are based around particular research activities within the University. For this reason we have invited the afternoon speakers to give review lectures (at a level appropriate for an NMR audience) which cover the application of NMR to the principal classes of biological macromolecules. In combination we hope that these talks will give an impression of the progress that has been made in each area, and where they stand relative to one another. The morning session will contain talks about specific topics of current interest in biomolecular NMR.

The registration fee for the meeting is £16 which includes morning coffee, a buffet lunch and tea in the afternoon. Bona-fide students will qualify for a reduced fee of £10.

A map showing the location of the Chemistry Department is enclosed. It is about a 10 to 15 minute walk from either the Rail Station or the Bus Station to the Department.

Unfortunately, it is impossible for us to provide any car parking facilities at the Chemistry Department. There are some car-parks within walking distance of the Department, but these are both expensive and tend to fill up early in the day. As an alternative for those wishing to drive to the meeting, we recommend the "Park and Ride" scheme. There are two parks: the one which is closest to the Chemistry Department is at Clifton Road, and somewhat further away is the park at Cowley Road. Buses run at 15 minute intervals between these parks and the City centre; the stop at St Pauls Church on Hills Road is less than five minutes walk from the Chemistry Department. Details of the location of the Department and the car parks are given on the enclosed maps.

We look forward to seeing you in Cambridge on the 23rd.

James Keeler

David Neuhaus

Further information can be obtained from James Keeler, Department of Chemistry, Lensfield Road, Cambridge CB2 1EW.

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Tuesday 23rd March 1993

Department of Chemistry, Lensfield Road, Cambridge

Programme

1000 Coffee served

1030 **Dr Carlo van Mierlo** (*Agricultural University of the Netherlands, Wageningen*)
The Role of the Partially Folded Conformation of the (30-51) Intermediate in the Disulphide Folding Pathway of BPTI; Determination of Backbone Dynamics using ^{15}N Relaxation Measurements.

1100 **Dr Per Kraulis** (*Department of Biochemistry, University of Cambridge*)
Assignment of 2D/3D/4D Homo- and Heteronuclear NMR Spectra of Proteins Using Interactive Computer Graphics.

1130 **Dr Michael Williamson** (*Krebs Institute, Department of Molecular Biology and Biotechnology, University of Sheffield*)
Chemical Shifts - a Useful Tool for Protein Structural Refinement ?

1200 To be arranged

1240 Lunch

1400 **Professor Iain Campbell** (*Department of Biochemistry, University of Oxford*)
NMR Studies of Proteins - Proteins Associated with Cell Adhesion and Signalling.

1440 provisional **Professor Julie Feigon** (*University of California, Los Angeles*)
Lecture concerned with NMR studies of DNA, title to be announced

1520 Tea

1550 **Dr Gabriele Varani** (*MRC Laboratory of Molecular Biology, Cambridge*)
RNA Structure by NMR.

1630 **Dr Trevor Rutherford** (*Carbohydrate Research Centre, Department of Biochemistry, University of Dundee*)
Probing the Conformations of Oligosaccharides.

1710 Close