NMR Discussion Group Spring Meeting

Cambridge 3rd and 4th April 2008

Wednesday 2nd April 2008

Rooms available at Downing from 1400

Dinner (if booked) at Downing at 1830 (this is a served meal, so you need to be there at 1830)

Thursday 3rd April 2008

- 0800-0900 Breakfast for those staying at Downing1000-1330 Registration at Chemistry from 1000 (bag drop available at Chemistry and Downing)
- 1200-1315 Lunch at Downing (if booked)

Scientific session 1: Bristol Meyers Squibb Lecture Theatre, Department of Chemistry

| 13.25-13.30 | Welcome |
|-------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 13.30-14.15 | Lewis Kay Seeing the Completely Invisible by Solution NMR Spectroscopy: Excited Protein States |
| 14.15-14.50 | John Christodoulou The structure and dynamics of ribosome-nascent chain complexes using NMR spectroscopy |
| 14.50-15.25 | Dusan Uhrin Grappling with protein-glycosaminoglycan interactions |
| 15.25-15.55 | Tea (Wolfson practical laboratory) |
| 15.55-16.15 | Wolfgang Rieping Bayesian NMR structure calculation: Overview and recent developments |
| 16.15-16.35 | Chris Williams Structural Insights into the Interaction of Insulin-like Growth Factor 2 (IGF2) with IGF2R domain 11 |
| 16.35-17.10 | Marc Baldus Investigating molecular structure and function in heterogeneous systems using solid-state NMR spectroscopy |
| 17.10-17.45 | Richard Henderson <i>Electron Cryo-microscopy of Biological</i> <i>Structures</i> |
| 17.45-19.00 | Wine reception and posters (Wolfson practical laboratory) |
| 17.45-19.00 | For those who are staying at Downing, collect room keys from registration desk (after 1900 keys available from Porters' Lodge, Downing College, Regent St entrance) after 1900 keys available from |

Porters' Lodge, Downing College, Regent St entrance. 19.45 20.30 Dinner at Downing (if booked)

Friday 4th April 2008

- 0800-0900 Breakfast for those staying at Downing
- 0900 Checkout and leave bags in secure area at Downing or Chemistry. **Rooms MUST be vacated by 093**0. Bag drop available at Chemistry or Downing

Scientific session 2: Bristol Meyers Squibb Lecture Lecture Theatre, Department of Chemistry

- 9.00-9.35 **Carol Robinson** *The Role of Mass Spectrometry in Structure Elucidation of protein complexes*
- 9.35-10.10 **Thomas Peters** *Binding of carbohydrate ligands to viruses as studied by NMR*
- 10.10-10.30 **Christiane Riedinger** Inhibiting the MDM2-p53 Interaction: Insights into Inhibitor Binding-modes from Chemical Shift Perturbations
- 10.30-11.00 Coffee (Wolfson practical laboratory)
- 11.00-11.35 Glyn Williams Integrating NMR into Fragment-Based Drug Design
- 11.35-11.55 **Geoff Platt** *Dynamics in the acid unfolded state of the amyloid forming protein* β *2 -microglobulin*
- 11.55-12.15 **Jane Wagstaff** *Efficient production of recombinant isotopically labelled peptides* 12.15 13.45 Buffet lunch in Department (included in price)
- 13.45-14.30 **Lewis Kay** Seeing the Near Invisible by Solution NMR Spectroscopy: Supra-molecular Complexes
- 14.30-15.15 Peter Lukavsky RNA Structures Mediating RNA Transport
- 15.15-15.50 **Fred Allain** *NMR of protein-RNA complexes for understanding gene regulation*
- 15.50 Tea & Close (Wolfson practical laboratory)

Dinner (if booked) at Downing at 1830 (this is a served meal, so you need to be there at 1830)