

# NMR Discussion Group Christmas 2015 Meeting

## 50 Years of Progress in NMR Spectroscopy: Emsley, Feeney and Sutcliffe

Tuesday 15<sup>th</sup> December 2015

**Birkbeck College, Clore Lecture Theatre (B01), Clore Management Centre, Torrington Square,  
London WC1E 7JL**

10.00 – 10.25 Registration and refreshments

**Morning session chair: Mike Williamson, University of Sheffield**

10.25 – 10.30 Introduction and welcome

10.30 – 10.45 **Les Sutcliffe, University of Surrey**  
How it all started

10.45 – 11.15 **Steve Matthews, Imperial College, London**  
Order and disorder in proteins – beyond nOes

11.20 – 11.50 **Melanie Britton, University of Birmingham**  
Through the chemical looking glass: what MRI can reveal about batteries, corrosion and electroplating

11.55 – 12.10 **Jim Feeney, MRC Biomedical NMR Centre, Mill Hill**  
Following NMR's Progress

12.10 – 12.40 **Angela Gronenborn, University of Pittsburgh**  
Synergy between NMR, cryo-EM and large-scale MD simulations – an atomic model of the HIV capsid

12.45 – 14.00 Lunch and refreshments

14.00 – 14.15 NMR DG Business

**Afternoon session chair: David Neuhaus, MRC Laboratory of Molecular Biology**

14.15 – 14.45 **Gordon Roberts, University of Leicester**  
Metallo- $\beta$ -lactamases: structures, zincs and loops

14.50 – 15.05 **Jim Emsley, University of Southampton**  
The evolution of Progress in NMR

15.05 – 15.35 **Geoffrey Luckhurst, University of Southampton**  
The fourth nematic liquid crystal. Twist, bend and order identified with  $^2\text{H}$  NMR spectroscopy

15.40 – 16.10 **Denis Merlet, Université Paris-Sud**  
New developments for molecular structural determination of flexible compounds using liquid crystal as NMR solvent

16.15 – 16.20 **Closing remarks – Gareth Morris**

16.30 - Refreshments and departure

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