

## Joint CCPN / NMRDG Meeting

21-24<sup>th</sup> March 2002

### NMRDG one-day Structural Biology meeting

**Thursday, March 21 2002**

**Homerton College, Hills Road, Cambridge**

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|-------------|---|
| 09.45       | Coffee and Registration   |
| 10.25-10.30 | Introduction  |
| 10.30-11.10 | Chris Dobson (Cambridge)<br><i>NMR Studies of Protein Folding and Protein Folding Intermediates</i>                 |
| 11.15-11.40 | Kristy Downing (Oxford)<br><i>cbEGF domains--A rod for my own back</i>  |
| 11.45-12.25 | Hartmut Oschkinat (Berlin)<br><i>Membrane protein structure determination by solid-state NMR</i>                    |
| 12.30       | Buffet lunch in Homerton college  |
| 14.00-14.25 | Jeremy Craven (Sheffield)<br><i>The structure of TCTP: does it tell us its function?</i>                            |
| 14.30-15.10 | Vladimir Sklenar (Brno)<br><i>Structure Refinement of Nucleic Acids Using Very Small Residual Dipolar Couplings</i> |
| 15.15       | Tea   |
| 15.45-16.25 | Cheryl Arrowsmith (Toronto)<br><i>An NMR approach to structural proteomics of model organisms</i>                   |
| 16.30-16.55 | Stephan Freund (Cambridge)<br><i>TBA</i>  |
| 17.00-17.25 | Claudia Blindauer (Edinburgh)<br><i>Zinc finger-cluster proteins: NMR structures and metal binding Dynamics</i>     |
| 17.30.1.1   | Close   |

**2nd CCPN week-end Conference**

**Friday 22<sup>nd</sup> – Sunday 24<sup>th</sup> March 2002**

**NMR of non-ideal proteins:  
Producing and characterising samples for NMR studies.**

Venue: Homerton College Conference Centre, Cambridge, England

**Speakers:**

Lu-Yun Lian	UMIST
Daniel Nietlispach	University of Cambridge
David Neuhaus	MRC-LMB, Cambridge
David Cowburn	New York Structural Biology Center, USA
Cheryl Arrowsmith	University of Toronto, Canada
Steve Matthews	Imperial College of Science Technology and Medicine
Kristy Downing/Jo O'Leary	University of Oxford
Paul Driscoll	University College London
Takanori Kigawa	RIKEN, Yokohama Institute, Japan
Stephan Grzesiek	Biozentrum, University of Basel, Switzerland
Peter Flynn	University of Pennsylvania School of Medicine, USA
Stefan Bagby	University of Bath

## PROGRAMME

**Friday 22nd March 2002**

12.00	Check-in		<i>Keys from the Porters Lodge Rooms are in West House</i>
12.30pm	Register		<i>The Great Hall Cavendish Building</i>
12.30pm	Lunch	Finger Buffet	<i>The Great Hall Cavendish Building</i>
1.45pm	Meeting starts		<i>The Auditorium Mary Allan Building</i>
2.00pm	Chairman	<b>Ernest Laue</b> Introduction	
2.20pm	Until 3pm	<b>Daniel Nietlispach</b> <b>(University of Cambridge)</b>  Initial NMR studies of proteins: can diffusion and relaxation measurements help?	
3.05pm		<b>Steve Matthews</b> <b>(Imperial College London)</b>  NMR of non-ideal proteins: producing and characterizing samples for NMR studies	
3.50pm	Tea		<i>1st floor foyer</i>
4.20pm		<b>David Neuhaus</b> <b>(MRC-LMB, Cambridge)</b>  NOEs in complexes	
5.05pm		Discussion	
6.00pm	Finish		
7.15pm	Dinner	2 course hot buffet (Wine may be purchased from the bar)	<i>The Great Hall</i>

**Saturday 23rd March 2002**

7.30-8.45	Breakfast		<i>The Great Hall</i>
9.20am	Start <i>Session leader:</i> <b>Brian Smith</b>	<i>Kristy Downing/Jo O'Leary (University of Oxford)</i> Comparative strategies for NMR sample production involving in vitro or in vivo (refolding)	<i>The Auditorium Mary Allan Building, ground floor</i>
10.05am		<b>Lu-Yun Lian (UMIST)</b> Large or difficult proteins – how to make them NMR-friendly	
10.50am	Coffee		<i>1st floor foyer</i>
11.20am		<b>David Cowburn (NY Structural Biology Center)</b> Making and characterizing signal transduction proteins for NMR structural and dynamic studies	
12.05pm		Discussion	
1.00pm	Lunch	2 course hot buffet	<i>The Great Hall</i>
2.00pm	Continue <i>Session leader:</i> <i>Christina Redfield</i>	<b>Cheryl Arrowsmith (University of Toronto)</b> Structural proteomics and the quest for soluble samples.	
2.45pm		<b>Takanori Kigawa (RIKEN Yokohama Inst. Japan)</b> Our practical expertise in cell-free protein expression approaches	
3.30pm	Tea		<i>1st floor foyer</i>
3.55pm		<b>Stefan Bagby (University of Bath)</b> Expression, purification and screening strategies for protein production	
4.40pm		Discussion	
5.40pm	Finish		
7.30pm	Banquet Dinner	Poster prize presentation	

**Sunday 24th March 2002**

7.30-8.45	Breakfast		<i>The Great Hall</i>
9.00am	Check-out of room	Please check-out by 9am	<i>Keys to the Porters Lodge</i>
9.20am	Start <i>Session leader : Paul Driscoll</i>	<b>Peter Flynn</b> <b>(University of Pennsylvania)</b>  NMR studies of encapsulated proteins dissolved in low viscosity solvents	<i>Baggage in store room</i> <i>The Auditorium</i> <i>Mary Allan Building, ground floor</i>
10.05am		<b>Stephan Grzesiek</b> <b>(University of Basel)</b>  Real-life protein NMR: HIV-1 Nef as an example	
10.50am	Coffee		<i>1st floor foyer</i>
11.20am		<b>Paul Driscoll</b> <b>(University College London)</b> Difficult proteins – the Bloomsbury experience	
12.05pm		Discussion	
1.00pm	Lunch	Hot and Cold Finger Buffet	<i>The Great Hall</i>
2.30pm	Travel home		