

Spin Choreography:
A Symposium in Appreciation of Ray Freeman
Cambridge 8th - 11th April 1999

Thurs 8 April

Registration from 10.00

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|-------|---|
| 12.30 | Lunch |
| 14.00 | Introduction. Prof DA King, Head of Chemistry Department |
| 14.10 | R R Ernst.
"The Revolutionary Development of NMR in the Light of Ray Freeman's Innovations" |
| 14.55 | WA Anderson
"Early Adventures of Ray Freeman, Master of NMR Choreography" |
| 15.30 | Tea |
| 16.10 | M Goldman
"Illustrations and applications of the method SLATE: Spin-Linked Approach To Everything." |
| 16.45 | A Pines
"Dances with Spins" |
| 17.20 | R Freeman
"Much Ado About Nothing" |
| 17.55 | Close |
| 19.00 | Reception |
| 19.30 | Dinner |

Fri 9 April

Solid State NMR

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| 09.00 | M H Levitt
"Decoupling to Recoupling and Back Again" |
| 09.35 | H Geen
"MAS multiple-quantum filtered dipolar correlation spectroscopy" |
| 10.10 | L Emsley
"Using Scalar Couplings in High-Resolution Solid-State NMR" |
| 10.45 | Coffee |

- 11.15 J J Titman
"Recoupling the CSA"
- 11.50 S Wimperis
"NMR of quadrupolar nuclei in solids: cross-polarization and 17-O multiple quantum MAS"
- 12.25 Close
- 12.30 Lunch

Techniques

- 14.00 A J Shaka
"Using the Filter Diagonalization Method (FDM) in NMR"
- 14.35 G A Morris
"Automated 3D Shimming"
- 15.10 E Kupce
"HoHaHa with Adiabatic Pulses"
- 15.45 Tea

***In vivo* Imaging**

- 16.25 T H Mareci
"Molecular translational self-diffusion as a structure parameter in biological tissue"
- 17.00 K A MacLauchlan
"Are magnetic fields bad for you?"
- 18.00 Poster session (Pembroke College)
- 19.30 Dinner

Sat 10 April

Macromolecules

- 09.00 A Bax
"NMR of very weakly oriented macromolecules"
- 09.35 H Oschkinat
"NMR signals and signal transduction in cells"
- 10.10 P J Hore
"CIDNP techniques for looking at proteins and protein folding"
- 10.45 Coffee

11.15 L DHall
"A sweet connection between 1959 and 1999"

11.50 I D Campbell
"Relaxation with modular proteins"

12.25 Close

12.30 Lunch

Techniques

14.00 L Kay
"Sensitivity Enhancement in NMR Spectroscopy"

14.35 H D W Hill
"The quest for higher sensitivity"

15.10 G Bodenhausen
"Magnetization transfer: an inexhaustible source for the idea book"

15.45 Closing remarks

15.50 Close

19.00 Reception

19.30 BANQUET