INAUGURAL SYMPOSIUM FOR
THE HENRY WELLCOME BUILDING
FOR BIOMOLECULAR NMR SPECTROSCOPY

Programme

Tuesday 2 November 2004
18:15 Richard R Ernst (Nobel Prize for Chemistry, 1991)
Brailsford Prize Lecture “The responsibility of scientists as a European view”, Arthur Thomson Hall, Medical School
19:15 Evening Reception in the Arthur Thomson Hall Atrium

Wednesday 3 November 2004
Session I (European Research Institute)
9:00 Iain Campbell, University of Oxford “NMR, protein modules and interactions”
9:25 David Cowburn, New York Structural Biology Centre, “How NMR can advance structural proteomics -- segmental labeling and biomolecular interface identification”
9:50 Robert Kaptein, Utrecht University, "Protein-DNA Recognition. Structure, Dynamics, and Kinetics"
10:15 Break (and poster setup)

Session II (European Research Institute)
10:55 Hartmut Oschkinat, Forschungsinstitut für Molekulare Pharmakologie, “Protein Structure Determination by MAS Solid-State NMR”
11:20 Ivano Bertini, University of Florence, “Inorganic Structural Genomics by NMR”
11:45 Lunch in the European Research Institute Atrium and Tours of the HWB-NMR facility

Session III (European Research Institute)
1:30 Harald Schwalbe, J. W. Goethe University Frankfurt, “NMR in Structural Biology of RNAs and of Kinases”
1:55 Sheena Radford, University of Leeds, “Protein folding dynamics and disease”
2:20 Markus Zweckstetter, Max Planck Institut für Biophysikalische Chemie "Structural Biology with natively unfolded proteins?”
2:45 Elizabeth Hounsell, Birkbeck University of London “NMR studies of glycosylation in health and disease”
3:10 Break and Poster Viewing

Session IV (European Research Institute)
4:00 David Grainger, University of Cambridge. “NMR-based metabolic fingerprinting: a new tool for diagnosis of human disease”
4:25 Andy Blamire, Newcastle University, “Quantitative MRI and MRS in diffuse CNS diseases”
4:50 Carles Arus, Universitat Autonoma de Barcelona, “A decision support system for brain tumour diagnosis using single voxel MRS”
5:15 Kevin Brindle, University of Cambridge, "Molecular imaging in cancer"
7:00 Evening supper at the Birmingham City Council House

Thursday 4 November 2004
Session V (European Research Institute)
9:00 Mark Swindells, Inpharmatica
9:25 Linda Ball, Structural Genomics Consortium, “Structural genomics and NMR studies of proteins”
9:50 Eva Lenz, AstraZeneca, “1H NMR based metabonomic studies of urine and plasma from human volunteers”
10:15 Break

Session VI (European Research Institute)
10:30 Don Robertson, Pfizer, NMR-based Metabonomics in the Evaluation of Drug Safety
11:20 Iain Green, Varian Inc, “Quantitative Mixture Analysis - A Technique to Measure Health by NMR”
11:55 Closing Comments

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