

NMR Course

Monday Feb 5th (Medical Sciences Teaching Centre (Room LGa))

9:30-10:45am	Introduction to Biomolecular NMR (C Redfield)
10:45-11am	coffee/tea break
11am-12:15pm	Introduction to Assignment of Protein NMR Spectra lunch break (lunch is not provided)
2pm-3:15pm	Assignment of Protein NMR Spectra (contd)
3:15-3:30pm	coffee/tea break
3:30-5pm	Assignment using ¹⁵ N and ¹³ C Labeling

Tuesday Feb 6th (Medical Sciences Teaching Centre (Room LGa))

9:30-10:45am	Assignment using ¹⁵ N and ¹³ C Labeling (contd) (C Redfield)
10:45-11am	coffee/tea break
11-12:30pm	Assignment Practical (C Redfield) lunch break (lunch is not provided)
1:30-3:15pm	Extracting Structural Information from NMR Data (with exercises)
3:15-3:30pm	coffee/tea break
3:30-5pm	Structure Determination (with exercises)

Wednesday Feb 7th (Medical Sciences Teaching Centre (Room UGa))

9:30-10:45am	Protein Dynamics (C Redfield)
10:45-11am	coffee/tea break
11-12:30pm	NMR of Nucleic Acids (J Ortega-Roldan) lunch break (lunch is not provided)
1:30-5pm	NMR Practical session with coffee/tea break

Thursday Feb 8th (Medical Sciences Teaching Centre (Room UGc))

9:30-10:45am	Use of NMR for identification and conformational determination of oligosaccharides and related alkaloids (M Wormald)
10:45-11am	coffee/tea break
11-12:30pm	Principles and applications of biological solid-state NMR (A Watts)
12:30-2pm	lunch break (lunch is not provided)
2-3:30pm	Solid-state NMR for protein structure determination (J Yau)
3:30-3:45pm	coffee/tea break
3:45-5pm	Protein-ligand interactions by NMR (C Redfield)

Friday Feb 9th (Medical Sciences Teaching Centre (Room LGb))

9:30-10:45pm	Using NMR to study Intrinsically Disordered Proteins (J Vakonakis)
10:45-11am	coffee/tea break
11-12:15pm	Solution NMR Studies of Membrane Proteins (J Schnell)
