

Circular Dichroism and Linear Dichroism Summer School & CD User Group Meeting

Programme 11th- 13th July 2016

Monday 11 th July		Tuesday 12 th July		Wednesday 13 th July	
MOAC Doctoral Training Centre Top floor Senate House		MOAC Doctoral Training Centre Top floor Senate House		MOAC Doctoral Training Centre Top floor Senate House	
10:00	Coffee and registration	09:30	Good practice <i>Sharon Kelly</i>	09:30	CD and LD with photoelastic modulators <i>John Sutherland</i>
10:25	Welcome and organisation <i>Nikola Chmel</i>	10:10	CD of membrane proteins <i>Bob Janes</i>	10:20	Is the instrument working OK? <i>Nikola Chmel</i>
10:30	Introduction to absorbance, fluorescence and circular dichroism spectroscopy (including nucleic acids) <i>Alison Rodger</i>	10:50	Vibrational spectroscopy for some biomolecules <i>Claire Broughton</i>	11:00	CD User Group - Registration and Coffee
11:30	Soluble protein CD spectroscopy <i>Bob Janes</i>	11:30	Introduction to and applications of linear dichroism <i>Tim Dafforn</i>	11:15	Welcome and Introduction to New Developments <i>Bob Janes (Queen Mary)</i>
		12:10	Nucleic acids and metal complexes <i>Janice Aldrich-Wright</i>	11:30	Plenary Lecture: Oriented SRCD and MD for studying Protein/Membrane Insertion <i>Martin Ullmschneider (Johns Hopkins University)</i>
		12:50	Introduction to practical sessions		
12:30	Lunch	13:00	Lunch	12:30	Lunch and Posters
14:10	CD theory & Dichrocalc <i>Jonathan Hirst</i>	13:45	Practical session:	13:30	Studying Protein-Ligand Interactions with CD Spectroscopy and Other Methods <i>Tina Daviter (Birkbeck)</i>
15:00	Bioinformatics for CD <i>Bob Janes</i>	to	a. Protein CD <i>Sharon Kelly</i>	14:05	Using CD for observing concentration-induced structural transitions in small biological molecules <i>Nadav Amdursky (Imperial College)</i>
16:00	Workshops: Dichroweb Databases Data Processing		b. Instrumentation & calibration <i>John Sutherland</i>	14:40	Alpha helical membrane proteins and circular dichroism <i>Vincent Postis (Leeds Beckett University)</i>
17:45	Elevator pitches and posters	17:30	c. LD <i>Nikola Chmel/Tim Dafforn</i>	15:15	Tea
18:30	Dinner in MOAC		d. Metal complexes and DNA /Pathlength determination <i>Janice Aldrich-Wright</i> <i>Andrew Miles</i>	15:45	PCDDDB/Dichroweb Users Forum <i>Lee Whitmore (Birkbeck)</i>
		18:30	e. ROA/FT-IR of proteins <i>Meropi Sklepari/James Teahan/Stephen Cave</i>	16:15	Awarding of the Poster Prize Cheese and Wine
			BBQ at Grad Deck / Lakeside		