

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

Programme 10th- 12th July 2017

Monday 10 th July		Tuesday 11 th July		Wednesday 12 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>	09:00	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>Bonnie Wallace</i>	09:50	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>Alison Rodger/Marco Pinto</i>	10:30	CD User Group - Registration and Coffee
11:30	Soluble protein CD spectroscopy <i>Bonnie Wallace</i>	11:30	Nucleic acids and metal complexes <i>Janice Aldrich-Wright</i>	11:00	Welcome and Introduction to New Developments <i>Bonnie Wallace (Birkbeck College, University of London)</i>
12:30	Lunch	12:10	Introduction to and applications of linear dichroism <i>Tim Dafforn</i>	11:15	Oriented SR CD – Data Collection and Analysis <i>Jochen Burck (KIT ANKA, Germany)</i>
		12:50	Introduction to practical sessions	12:15	Lunch and Posters
14:10	CD theory & Dichrocalc <i>Jonathan Hirst</i>	13:00	Lunch	13:30	PDB2CD, a new tool linking crystal structures and CD spectra <i>Robert Janes (Queen Mary University of London)</i>
15:00	Bioinformatics for CD <i>Robert Janes</i>	13:45	Practical sessions: a. Protein CD <i>Sharon Kelly</i>	14:00	Differential dehydration effects on globular proteins and intrinsically disordered proteins during film formation <i>Juliana Yoneda (University of Sao Paulo, Brazil)</i>
16:00	Workshops: Dichroweb Databases Data Processing	to	b. Instrumentation & calibration <i>John Sutherland</i>	14:45	Design and creation of a High Throughput CD/Fluorescence/Scattering Instrument at ISA <i>Charles Moore-Kelly (University of Birmingham)</i>
17:45	Elevator pitches and posters		c. LD <i>Matt Tridgett/Tim Dafforn</i>	15:15	<i>Tea and Posters</i>
18:30	Dinner in MOAC	17:30	d. Metal complexes and DNA /Pathlength determination <i>Janice Aldrich-Wright TBC</i>	16:00	New Developments at the PCDDDB and DichroWeb and the Users Forum <i>Lee Whitmore (Birkbeck College, University of London)</i>
		18:30	e. ROA/FT-IR of proteins <i>Marco Pinto/Stephen Cave</i>	16:15	Awarding of the Poster Prize <i>Cheese and Wine</i>
			BBQ (Senate House Courtyard)		