

## Photoactivatable metal complexes: from theory to therapy

Monday 18 to Tuesday 19 June 2012. Organised by: Professor Peter J Sadler FRS, Professor Akhil R Chakravarty and Dr Nicola J Farrer

DAY 1				DAY 2			
SESSION 1 : Photodissociation Chair: Robin Perutz FRS		SESSION 2: Photosensitisers Chair: David Phillips		SESSION 3: Photophysics Chair: Jean-Claude Bünzli		SESSION 4: Phototherapy Chair: Steve Bown	
09.00	Welcome by Julie Maxton & Peter Sadler						
09.05	Peter Ford Studies in the photo-delivery of bioactive small molecules	13.30	Luca Salassa Combining DFT and Resonant X-ray Emission Spectroscopy to study photoactivatable anticancer metal complexes	09.00	Carlo Lamberti Synchrotron ultrafast techniques for photoactive transition metal complexes	13.30	Patrick Bednarski Effects of light-activated diazido-PtIV complexes on cancer cells in vitro
09.30	Discussion	14.00	Discussion	09.30	Discussion	14.00	Discussion
09.45	Michael George Using Fast time-resolved IR spectroscopy to Excited States and Reaction Intermediates: From IR Probes of DNA to C-H Activation of methane	14.15	Akhil Chakravarty Anticancer activity of photoactivatable Iron (III) complexes	09.45	Ilaria Ciofini Photophysical properties of metal complexes: insights from theory	14.15	Andree Kirsch de Mesmaeker Ru-TAP complexes and DNA
10.15	Discussion	14.45	Discussion	10.15	Discussion	14.45	Discussion
10.30	Coffee	15.00	Tea	10.30	Coffee	15.00	Tea
11.00	Chi-Ming Che Light-Induced Catalytic and Cytotoxic Properties of Phosphorescent Transition Metal Compounds with a d8 Electronic Configuration	15.30	Anthony Harriman Directed Energy Transfer in Polynuclear Metal Complexes	11.00	Gilles Lemerrier 3mlct excited-states in Ru (ii) complexes for application in two-photon absorption	15.30	Jacqueline Barton Targeting DNA Mismatches with Metalloinsertors
11.30	Discussion	16.00	Discussion	11.30	Discussion	16.00	Discussion
11.45	Roberto Etchenique Ruthenium polypyridyl phototriggers – from beginnings to perspectives	16.15	Harry Anderson Porphyrin-Based Dyes as Two-Photon Sensitisers and Nonlinear Optical Probes	11.45	Flash posters (6 x 5min) followed by poster session over lunch	16.15	Claudia Turro Control of Excited States of Transition Metal Complexes for Photochemotherapy
12.15	Discussion	16.45	Discussion	16.45		Discussion	
12.30	<b>LUNCH</b>	17.00	<b>CLOSE</b>	12.30	<b>LUNCH</b>	17.00	<b>CLOSE</b>