

RSC Macrocyclic and Supramolecular Chemistry Meeting (MASC-11)

@ Lecture Hall (1.1), East Building, University of Bath, Bath

19th December to 20th December 2011

MONDAY 19 TH OF DECEMBER	
9.00	REGISTRATION
SESSION 1	
<i>Chair: Dan Pantoş / Tony James</i>	
10.00	Controlling the Synthesis of Poly(lactide): Stereocomplexes- Polymeric Receptors and Enhanced Physical Properties <i>Matthew Davidson</i>
10.30	Persistent Pyramidal Shape Micelles Made from Calix[4]arene Amphiphilic Derivatives <i>Kazuo Sakurai</i>
11.00	From anion receptors to transporters <i>Phil Gale</i>
11.30	Chemistry Central Flash Session Supramolecular functionalisation and self assembly of carbon nanotubes – fluorescence lifetime imaging and cellular translocation <i>Sofia Pascu</i> Hierarchical structures from self assembled di-peptides <i>Petra Cameron</i> DNA-templated assembly of materials - is aggregation good? <i>Niklaas Buurma</i>
12.00	LUNCH
SESSION 2	
<i>Chair: Susan Quinn</i>	
1.00	Fluorescent Thiol Probes: Experimental and Theoretical Studies <i>Jianzhang Zhao</i>
1.30	Saccharide binding induced aggregation of arylboronic acid for sensing <i>Yun-Bao Jiang</i>
2.00	Luminescent Ru(II)-polypyridyl complexes and gold nanoparticle supramolecular conjugates: DNA interactions and their application as cellular imaging agents <i>Thorri Gunnlaugsson</i>
2.30	Aqueous Supramolecular Materials via Host-Guest Complexation with Cucurbit[8]uril <i>Oren Scherman</i>
3.00	TEA
SESSION 3	
<i>Chair: Sofia Pascu</i>	
3.30	Chemistry Central Flash Session Adventures with Carbon: Microspheres to Quantum dots <i>Susan Quinn</i> Silver Embedded Resorcinarene Nanorod <i>Kirsi Salorinne</i> Supramolecular assemblies of magnetically active twinned and double-decker phthalocyanines <i>Fabienne Dumoulin</i>
4.00	Surface-Confined Assemblies and Polymers for Sensing and Molecular Logic <i>Milko van der Boom</i>
4.30	Overcoming Limited Selection in Multicyclic Replication Networks <i>Doug Philp</i>
5.00	Mapping Cooperativity Landscapes <i>Chris Hunter (Nature Chemistry Lecture)</i>
5:30-7:45	POSTERS (Wine and Cheese) Sponsored by DIONEX part of Thermo Fisher
8.00	Symposium Dinner

TUESDAY 20TH OF DECEMBER

SESSION 4

Chair: John Fossey

9.00	Hide-and-seek in container molecules: New capsules and chemistry inside <i>Jonathan Nitschke (Dalton Lecture)</i>
9.30	N-Confused Hexaphyrins: Novel NIR Ligands that Coordinate Bis-Metals <i>Hiroyuki Furuta</i>
10.00	Nucleobase sensing and photo-controlled duplex formation using anthracene-tagged DNA <i>Jim Tucker</i>

10.30 TEA

SESSION 5

Chair: Petra Cameron

	Chemistry Central Flash Session FLAB <i>John Fossey</i>
11.00	Quantum Dots as Sensors and Therapeutics <i>John Callan</i> Size Matters: [2]Rotaxanes, [3]Rotaxanes and “Small” Functionalised Rotaxanes Using the CuAAC Active Template Reaction <i>Stephen Goldup</i>
11.30	Sensing and Therapy: Unimolecular Theranostics <i>Engin Akkaya</i>
12.00	Supramolecular Chemistry of Carbon Nanotubes <i>Harry Anderson (Angewandte Lecture)</i>

12.30 LUNCH

SESSION 6

Chair: Niklaas Buurma

1.30	Synthetic Lectins: Biomimetic Receptors for Carbohydrates in Water <i>Tony Davis</i>
2.00	Molecular Recognition in Dynamic Networks <i>Sijbren Otto</i>
2.30	Dynamic interactive systems-toward natural selection of functions <i>Mihai Barboiu</i>
3.00	Boronic Acids as Building Blocks in Structural Supramolecular Chemistry <i>Kay Severin (Chemical Science Lecture)</i>

3.30 TEA

SESSION 7

Chair: Tony James / Dan Pantoş (Peter Cragg)

4.00	The Power of Many - Self-Assembled Multivalency <i>David Smith</i>
4.30	Creationism in Inorganic and Supramolecular Chemistry Lee Cronin BOB HAY Award and Lecture
5.30	Poster Prizes
6.30	Close