

6th Annual Postgraduate Symposium on Nanoscience and Nanotechnology

School of Chemistry, University of Birmingham

Haworth 203

Programme on December 13 (Tuesday), 2016

Time	Presentati on	Speaker	Title
9:30	Opening	D. Chakrabarti	Welcome
9:40-11:00	Chair: Elena Besley		
9:40	Keynote	Nguyen T. K. Thanh	Plasmonic and magnetic nps for biomedical applications
10:20	Oral	Stephen Hill	Nanocarbon-based Multivalent Platforms for Glycan Presentation
10:35	Oral	Pratik Gurnani	Understanding the effect of nanoparticle rigidity on cellular uptake and its mechanism
10:50	Flash	Andrew Lunn	The Effect of Glycopolymer Nanoparticle Core Hardness and Surface Sugar, on Lectin Binding and Cellular Uptake
10:55	Flash	Twana Mohammed M. Ways	Development of silica nanoparticles for mucosal delivery
11:00	Coffee/Tea and Posters		
11:30-12:30	Chair: Steven P. Armes		
11:30	Oral	Sarah-Jane Richards	Glycosylated gold nanoparticle biosensors
11:45	Oral	Javier Monzo	Transition metal carbides alternative to carbon as potential catalyst support materials
12:00	Oral	Shams B. Ali	Carbon Nanotubes/Polypyrrole film as a Gas Sensor for the Volatile Organic Compounds
12:15	Flash	Ilker Demiroglu	Molecular Adsorption On Free and Supported Au-Rh Nanoalloys
12:20	Flash	Adeolu Oluwasanmi	Novel Iron Oxide-Gold Nanohybrids with Heat Triggered Surface Manipulation
12:25	Flash	Edward Mansfield	Does the nature of a poly(alkyl)oxazoline shell affect the rate of nanoparticle diffusion through mucus?
12:30	Lunch and Posters		

14:00-15:30	Chair: Nguyen T. K. Thanh		
14:00	Keynote	Elena Besley	Electrostatic self-assembly: understanding the role of the solvent
14:40	Oral	Kevin Neumann	Small Molecule Responsive Nanostructures for Controlled Drug Delivery
14:55	Oral	Daniel Mophew	Hierarchical self-assembly of colloidal magnetic particles into reconfigurable shells
15:10	Oral	Anne Canning	Synthesis of enzyme responsive surfaces – towards a smart cell-material interface
15:25	Flash	Karthikeyan Sekar	Cu and Fe oxides dispersed on SBA-15: A Fenton type bimetallic catalyst for <i>N, N</i> -diethyl- <i>p</i> -phenyl diamine degradation
15:30	Coffee/Tea and Posters		
16:00-17:20	Chair: Jon A. Preece		
16:00	Keynote	Steven P. Armes	Polymerisation-induced self-assembly
16:40	Oral	James A. Cooper	Enantio-discrimination of Metallosupramolecular Cages in Nanopores
16:55	Oral	Martin Rosillo-Lopez	Novel graphene nanomaterials which outperform graphene oxide
17:10	Closing	Jim Tucker	Closing remarks and Prizes
17:20	Nibbles with drinks		

Note on presentations:

1. There is a 15-minute slot for each oral presentation including time to respond to questions and comments from the audience. So please plan for a 12-minute presentation.
2. The poster boards will have panels that can accommodate posters of the following sizes:
 - 119cm x 84cm (A0: portrait only)
 - 84cm x 59cm (A1: landscape and portrait)

Thanks to



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