

# Conference Program - 8 September 2013

Time	Stream 1 - Bio	Stream 2 - Nano	Stream 3 - Polymers
9:00	<b>Conference Opening Address</b> <b>Her Excellency Ms Frances Adamson</b> , Australian Ambassador to the People's Republic of China <b>Professor Chunli Bai</b> , President, Chinese Academy of Sciences		
9:10	PLENARY ONE - <b>Dr Calum Drummond</b> , CSIRO, Australia <i>Solvophobic Molecular Nanoassembly</i>		
	<b>Session Chair: Professor Lars Nielsen</b>	<b>Session Chair: Professor Magnus Nydén</b>	<b>Session Chair: Professor Andrew Whittaker</b>
9:50	<b>Professor Pingchou Han</b> Peking University, China <i>High-purity, high-efficiency, label-free segregation and recovery of circulating tumor cells from the peripheral blood of cancer patients</i>	<b>Professor Hui-Ming Cheng</b> Institute of Metal Research, Chinese Academy of Sciences, China <i>Improvement of the Power and Energy Density of Carbon-Based Supercapacitors</i>	<b>Professor Zhibo Li</b> Institute of Chemistry, Chinese Academy of Sciences, China <i>Construct Functional Polypeptide Material from Alpha-Amino Acids</i>
10:10	<b>Professor Xing Long</b> Wuhan University, China <i>Triple-layered cell sheets for tissue-engineering lining layer of the synovial membrane of the temporomandibular joint</i>	<b>Professor Zhong-Yong Yuan</b> Key Laboratory of Advanced Energy Materials Chemistry, China <i>Mesoporous Non-Silica-Based Organic-Inorganic Hybrid Materials</i>	<b>Professor Greg Qiao</b> The University of Melbourne, Australia <i>Macromolecular Bio-sponges and Drug Carriers by Design</i>
10:30	<b>MORNING TEA</b>		
	<b>Session Chair: Professor Anton Middelberg</b>	<b>Session Chair: Professor Hui-Ming Cheng</b>	<b>Session Chair: Professor Xumin Xie</b>
11:00	<b>Dr Muhammad Shiddiky</b> The University of Queensland, Australia <i>Tuneable "Nano-Shearing": An Innovative Mechanism for the Accurate and Specific Capture of Rare Cells</i>	<b>Professor Zhigang Shuai</b> Tsinghua University, China <i>Molecular dynamics simulation of supramolecular self-assembly</i>	<b>Professor Jie Zhang</b> Peking University, China <i>Inorganic-Organic Hybrid Assembled Materials of Polyoxometalates and Block Copolymers Based on Electrostatic Interactions</i>
11:20	<b>Professor Yanyi Huang</b> Peking University, China <i>Deciphering the dynamic life of single cells through microfluidic-assisted microscopy and transcriptome analysis</i>	<b>Professor Debra Bernhardt</b> The University of Queensland, Australia <i>Nanoscale computational science: from materials design to flow and fluctuations</i>	<b>Dr Luke Connal</b> The University of Melbourne, Australia <i>Enzyme mimics: new materials with huge potential</i>
11:40	<b>Professor Kirill Alexandrov</b> The University of Queensland, Australia <i>Synthetic sensing and signal transduction cascades based on artificial autoinhibited proteases</i>	<b>Dr Chun-Xia Zhao</b> The University of Queensland, Australia <i>Functional hierarchical materials based on emulsion templating</i>	<b>Associate Professor Cyrille Boyer</b> University of New South Wales, Australia <i>Engineering Polymeric NanoParticles for Advanced Applications</i>
12:00	<b>Professor George Guo-Qiang Chen</b> Tsinghua University, China <i>Design and Synthesis of Novel BioPolymers Using Genome Manipulated Bacteria</i>	<b>Professor Jian Ru Gong</b> National Center for Nanoscience and Technology, China <i>Nitrogen-Doped Graphene Quantum Dots for Two-Photon Bioimaging</i>	<b>Dr Pei Yuan</b> China University of Petroleum, China <i>Controllable Synthesis of Silica Hollow Microspheres with Size-tunable Penetrating Macroporous Shells and their Application in Polymer Hydrogenation</i>
12:20	<b>LUNCH</b>		
	<b>Session Chair: Professor Kirill Alexandrov</b>	<b>Session Chair: Professor Matt Trau</b>	<b>Session Chair: Professor Meifeng Zhu</b>
13:20	<b>Professor Lars Nielsen</b> The University of Queensland, Australia <i>Metabolic and Regulatory Models for Synthetic Biology Design</i>	<b>Professor Zhiyuan Hu</b> National Center for Nanoscience and Technology, China <i>Microfluidic Chip for on-bead Peptide Screening and in-situ MS Identification</i>	<b>Dr Kristofer Thurecht</b> The University of Queensland, Australia <i>Designing Polymers for Imaging and Therapy</i>
13:40	<b>Professor Xing-Jie Liang</b> National Center for Nanoscience and Technology of China, China <i>Functionalized Nanoscale Pharmaceutical Carriers for Targeted Cancer Therapy</i>	<b>Professor Magnus Nydén</b> Director, Ian Wark Research Institute, University of South Australia <i>NMR studies of diffusion and flow in porous media</i>	<b>Professor Xumin Xie</b> Tsinghua University, China <i>Polymeric ligands decoration on 2D materials for high-performance nanocomposites by coordination of divalent metal ions</i>
14:00	<b>Dr Chris Howard</b> The University of Queensland, Australia <i>Targeted nanoparticle delivery using bispecific monoclonal antibodies</i>	<b>Associate Professor Carole Carcel</b> Institute Charles Gerhardt of Montpellier, France <i>Hybrid Silica with Molecular Recognition for Drug Delivery Application</i>	<b>Associate Professor Idriss Blakey</b> The University of Queensland, Australia <i>Modulation of nanoscale roughness of surfaces and lithographically printed features</i>
14:20	<b>AFTERNOON TEA</b>		
	<b>Session Chair: Associate Professor Ernst Wolvetang</b>	<b>Session Chair: Professor Zhigang Shuai</b>	<b>Session Chair: Associate Professor Idriss Blakey</b>
14:50	<b>Professor Guanghui Ma</b> State Key Laboratory of Biochemical Engineering, Institute of Process Engineering, Chinese Academy of Sciences, China <i>Particle adjuvants for advanced vaccine formulation</i>	<b>Professor Yonggang Yang</b> Soochow University, China <i>Preparation and Characterization of Chiral Polysilsesquioxanes</i>	<b>Dr Anita Hill</b> CSIRO, Australia <i>Nanostructured Mesoporous Materials for Bio-Encapsulation and Device Fabrication</i>
15:10	<b>Professor Anton Middelberg</b> The University of Queensland, Australia <i>Can Biology Inspire the Engineering of Better Foams, Emulsions and Particles?</i>	<b>Professor Zhengping Hao</b> Research Center for Eco-Environmental Sciences, Chinese Academy of Sciences, China <i>Low-temperature Catalytic Oxidation Behaviors over Nano Gold Catalysts</i>	<b>Dr James Blinco</b> Queensland University of Technology, Australia <i>Spin Coated Carbon: Stable Nitroxide Diazonium Ions for the Modification of Carbon Surface</i>
15:30		<b>Professor Jin Zou</b> The University of Queensland, Australia <i>Complex of Epitaxial III-V Semiconductor Nanowires – Impact of Metallic Catalysts</i>	<b>Professor Meifang Zhu</b> Donghua University, China <i>Functional Nanocomposite Resins and Hydrogels for Bioapplication</i>
15:50	PLENARY TWO - <b>Professor Lei Jiang</b> , Institute of Chemistry, Chinese Academy of Sciences, China <i>Bio-Inspired, Smart, Multiscale Interfacial Materials with Super-Wettability</i>		
16:30	<b>Conference Close</b>		