

**SYMPOSIUM ON NANOPARTICLE-BASED
TECHNOLOGIES FOR CELL TRACKING**

1-2 JULY 2013

LIVERPOOL - UK

Poster Presentations

Theme	Title
Magnetic Nanoparticles	Are reporter genes feasible for the MRI Tracking of Stem Cells? Sofia Pereira, University of Liverpool, UK
	Cell/MPIO interaction after in vivo cellular uptake Dimitri Roose, University of Antwerp, Belgium
	Cellular response of mesenchymal stem cells exposed to magnetic microparticles in culture Richard Harrison, The University of Nottingham, UK
	Cytotoxicity of Biogenic Cobalt Doped Magnetite Nanoparticles Sandhya Moise, Keele University, UK
	Development of Poly[2-(methacryloyloxy)ethylphosphorylcholine]-coated iron oxide nanoparticles for stem cell labelling Anita Peacock, University of Liverpool, UK
	Evaluation of human mesenchymal stem cell (hMSC) labelling in a tissue-engineered airway by magnetite and CoPt nanoparticles Roxanne Hachani, University College London, UK
	Investigation of Biogenic Zn-Ferrite Nanoparticles for Magnetic Resonance Imaging Dr. Eva Cespedes, Keele University, UK
	Magnetic core-shell nanoparticles for cell labelling Tina Gulin, Åbo Akademi University, Finland
	Modulation of magnetite content and applied magnetic fields enables high efficiency labelling of neural stem cells with polymeric iron oxide nanoparticles Christopher Adams, Keele University, UK
	MRI cell tracking of endothelial progenitor cells Elisa Carena, Institut de Ciència de Materials de Barcelona, Spain
	Multifunctional HER2-targeted nanodevices for breast cancer detection and treatment Luca Sorrentino, L. Sacco Hospital, Italy
	Photothermal Microscopy of Iron Oxide Nanoparticles in Stem Cells Dr. Lara Bogart, University of Liverpool, UK
	Quantifying the Uptake and Retention of Iron Oxide Nanoparticles in Stem Cells Using Magnetophoresis Dr. Lara Bogart, University of Liverpool, UK
	Gold Nanoparticles
Gold nanoparticle functionalisation using the HaloTag [®] : a tool for intracellular protein tracking in living cells. Sarah Taylor, University of Liverpool UK	
Near-infrared Fluorescent Ribonuclease-A-encapsulated Gold Nanoclusters: Preparation, Characterization, Cancer Targeting and Imaging Yifei Kong, University of Leeds, UK	
Photochemical Reactions on Gold Nanoparticles Capped by Photoprobe-Containing Peptides Elena Colangelo, University of Liverpool, UK	
The Influence of Polyvinylpyrrolidone and Mercapto-polyethylene glycol-Coated Gold Nanoparticles on Cellular and Vascular Function Teba Mohammed, Manchester Metropolitan University, UK	
Tracking Halo-tagged proteins using Halo-ligand functionalized gold nanoparticles Dr. Umbreen Shaheen, University of Liverpool, UK	
Why is it so Difficult to Make Gold Nanorods? Dina Mohamed Abdelrhman, University of Liverpool, UK	

Fluorescent Nanoparticles	Mesoporous silica nanoparticles as long-term optical bioprobes in vivo Tina Gulin, Åbo Akademi University, Finland
	Near infrared biocompatible quantum dots for timegated imaging and in vivo cells tracking Sophie Bouccara, CNRS, France
	Sensitive, Specific Biosensing with Functional Quantum Dot-DNA/Aptamer Conjugates Haiyan Zhang, University of Leeds, UK
Drug Delivery & Cell Interactions	Cationic solid lipid nanoparticles with cholesterol-mediated surface layer for transporting saquinavir across the blood-brain barrier Cheng-Chin Wang, National Chung Cheng University, Taiwan
	Development of nanoparticles based approach for targeting basophils and mast cells Walla Alelwani, University of Nottingham, UK
	Enhancement of in vitro antitumor activity of methotrexate via pH-sensitive chitosan nanoparticles Dr. Maria Pilar Vinardell, Universitat de Barcelona, Spain
	How Safe is Exposure to Nanoparticles in Pregnancy? Dr. Margaret Saunders, University Hospital Bristol, UK
	Infused Silica Nanoparticles Compromise Small Arterial Function in vitro Ali Shukur, Manchester Metropolitan University, UK
	Multifunctional Nanoparticles with Orientation –Controlled Conjugation of HALO-Fused Homing Peptides Specifically Recognize Cancer Cells Dr. Serena Mazzucchelli, L. Sacco Hospital, Italy
	Trafficking pathways of oppositely charged nanoparticles in intestinal Caco-2 monolayers Azzah Bannunah, University of Nottingham, UK