

Innovative Medical Devices and Nanotechnology

One-day Interactive Workshop
Sheffield University North Campus, 8 July 2009

Draft Programme

09.00 – 09.30	Registration
09.30 – 09.40	Introduction to the Workshop
09.40 – 10.00	Regenerative medicine and smart materials: A polymer that binds bacteria <i>Professor Ian Douglas, School of Clinical Dentistry, University of Sheffield</i>
10.00 – 10.20	Regenerative medicine: New nanostructured materials for devices and tissue engineering <i>Professor Paul Hatton, School of Clinical Dentistry, University of Sheffield</i>
10.20 – 10.40	Regenerative medicine and smart materials: A biodegradable hydrogel which releases Ibuprofen while providing a tissue regeneration template <i>tbc, University of Sheffield</i>
10.40 - 11.10	Coffee
11.10 – 11.30	Innovations in medical diagnostics & sensing: Microelectronics sensing devices to improve clinical results <i>Dr. Paulo Ferreira do Santos, Tomorrow Options, Sheffield and Porto, Portugal</i>
11.30 – 11.50	Innovations in medical imaging: Optical coherence tomography <i>Dr Steve Matcher, University of Sheffield</i>
11.50 – 12.10	Innovations in medical imaging: Innovations in life sciences imaging: lensless microscopy <i>Dr Ian Pykett, Phase Focus Ltd., Sheffield</i>
12.10 – 12.30	Innovations in medical diagnostics & sensing: New generation devices for diagnosing cervical & other cancers <i>Dr Sameer Kothari, Zilico Ltd., Sheffield</i>
12.30 – 13.30	Lunch and networking
13.30 – 13.50	New techniques for drug discovery and drug delivery: “Plastic viruses” <i>Dr Beppe Battaglia, Kroto Research Institute, University of Sheffield</i>
13.50 – 14.10	New techniques for drug discovery and drug delivery: Quasi-Vivo™ Cell Culture Systems: Providing physiologically relevant in vitro capability to the academic, pharmaceutical and cosmetic industries <i>Dr J Malcolm Wilkinson, Kirskstall Limited, Sheffield</i>
14.10 – 14.30	New techniques for drug discovery and drug delivery: Cell microarrays for determining the mechanism of action of candidate drugs. <i>Dr Jim Freeth, Retrogenix Limited, Sheffield</i>
14.30 – 15.00	Refreshments
15.00 – 15.20	Novel therapeutics: Developing 3 rd generation therapeutic proteins <i>Dr Richard Ross, Asterion Technologies, Sheffield</i>
15.20 – 15.40	Novel therapeutics: Novel gene therapy approaches for neurodegenerative disease <i>Professor Mimoun Azzouz, Professor of Translational Neuroscience, University of Sheffield</i>
15.40 – 16.00	Risk and safety aspects: Hazard identification and risk management for novel medical technologies <i>Richard Moore, Institute of Nanotechnology</i>
16.00 – 16.30	Discussion session: Overcoming the challenges of bringing novel medical technologies to market <i>Chairs: Dr Beppe Battaglia and Richard Moore</i>
16.30	Summing up and close of workshop