

Bio-nano interactions: new tools, insights and impacts

Wednesday 30 April – Thursday 1 May 2014

Organised by Dr Michaela Kendall, Professor Kevin Kendall FRS, Professor Liam Grover and Professor Paula Mendes

THE
ROYAL
SOCIETY

DAY 1				DAY 2			
SESSION 1 Chair: Paula Mendes		SESSION 2 Chair: Liam Grover		SESSION 3 Chair: Michaela Kendall		SESSION 4 Chair: Michaela Kendall	
09.00	Welcome by Kevin Kendall and Michaela Kendall						
09.05	Pascal Jonkheijm Molecularly engineering cell-surface interfaces	13.30	Poster Session	09.00	Howard Clark Nanoparticles entering human lung	13.30	Steffi Friedrichs , Nanotechnology Safe-by-Design: old meets new, but which is which?
09.30	Discussion			09.30	Discussion	14.00	Discussion
09.45	Matthew Dalby Nanoscale approaches to study bio-nano-interactions	14.15	Matthias Epple Nanoparticle fabrication for therapeutic delivery	09.45	Jonathan Powell Nanoparticles in the gastrointestinal tract	14.15	Andrew Maynard Innovative approaches to emergent risks
10.15	Discussion	14.45	Discussion	10.15	Discussion	14.45	Discussion
10.30	Coffee	15.00	Tea	10.30	Coffee	15.00	Tea
11.00	Frankie Rawson Electrochemical nano-bio-sensing	15.30	Pamela Habibovic Engineering instructive biomaterials for tissue regeneration: a matter of right tools	11.00	Andre Nel What data we have to support the use of predictive modeling and alternative strategies for regulatory decision making	15.30	Tanja E J Kleinsorge Nanotechnology: balancing benefits and risks
11.30	Discussion	16.00	Discussion	11.30	Discussion	16.00	Discussion
11.45	Poster spotlights 10 minute presentations	16.15	Jeff Karp Towards bioengineered control of cell fate post transplantation	11.45	Rapporteurs on (1) Science and (2) Policy Ilise Feitshans The challenge of nanotechnology's revolutionary change: emerging international laws	16.15	Panel discussion and overview
		16.45	Discussion		Iseult Lynch From bionanoscience to regulation and law – opportunities and challenges		
12.30	LUNCH	17.00	CLOSE	12.30	LUNCH	17.00	CLOSE