

Analytical Research Forum 2013
8 – 10 July 2013, University of Hertfordshire & GlaxoSmithKline, UK

Programme

Monday 8 July 2013

11:30 – 12:30	Registration in the Atrium
12:00 – 12:50	Lunch in the Comet Room of Club de Havailand
13:00	Coach to GSK Stevenage and security checks
13:50	Welcome and Introduction Dr Sara Evans (<i>University of Hertfordshire, UK</i>) Dr Mike Webb (<i>GSK, UK</i>)
Session 1	
14:05 – 14:50	KEYNOTE: L S Theobald Lectureship 2012 - Sampling: often the source of most uncertainty in analytical measurements Prof. Mike Ramsey* <i>University of Sussex, UK</i>
14:50 – 15:10	Development of Lab on a chip pre-concentration system for metals in seawater Marta Skiba*, Matt C Mowlem and Peter J Statham <i>National Oceanography Centre, UK</i>
15:10	Afternoon Tea (and poster set up)
15:45 – 16:05	Paper microfluidics for point of care diagnosis of anaemia and renal Function Amy Dawson*, John G Cleland, Sandra A Jones and Tom McCreedy <i>University of Hull, UK</i>
16:05 – 16:25	The developing role of tunable resistive pulse sensing in bioassays Emily Billinge* and Mark Platt <i>Loughborough University, UK</i>
16:25 – 16:45	Trace metal analysis in pharmaceutical formulations Philip Salmon*, Philip G Riby, Simon D Brandt, Mark Wainwright and Matt Roberts <i>Liverpool John Moores University, UK</i>
16:45 – 18:00	Poster session and wine reception
18:10	Coach returns to University of Hertfordshire
19:15	Coach departs to go to the Fielder Centre
19:30	Dinner in the Fielder Centre followed by a QUIZ NIGHT in the Fielder Centre
	Coach back to De Havailand Campus after dinner

Tuesday 9 July 2013 (morning)

08:30	Coach to GSK Stevenage and security checks
Session 2	
09:15 – 10:00	KEYNOTE: L S Theobald Lectureship 2010 - Lessons to be learnt from twenty five years of analytical quality assurance, measurement uncertainty and metrological traceability Dr Mike Sargent* <i>LGC Ltd, UK</i>
10:00 – 10:20	Simultaneous detection of bacterial meningitis pathogens using SERS and lambda exonuclease Kirsten Gracie*, Jennifer A Dougan, Duncan Graham and Karen Faulds <i>University of Strathclyde, UK</i>
10:20	Morning Coffee poster session
10:50 – 11:10	Controlled surface morphologies for 3 dimensionally ordered monolithic conducting polymer materials in microfluidic analytical platforms Brian Gorey*, Malcolm R Smyth, Blanaid White and Aoife Morrin <i>Dublin City University, Republic of Ireland</i>
11:10 – 11:30	Towards SI-traceable quantification of allergen proteins and production of reference materials: alpha s1 casein Kate Groves*, Michael Walker and Milena Quaglia <i>LGC Ltd, UK</i>
11:30 – 11:50	Environmental applications of cavity enhanced spectroscopy: Trace gas analysis Tanya Chase*, Douglas J Hamilton and Andrew J Orr-Ewing <i>University of Bristol, UK</i>
12:00	Lunch and tours of GSK site

Tuesday 9 July 2013 (afternoon)

Session 3	
13:30 – 14:15	KEYNOTE: Tom West Analytical Fellowship - Recent advances in metabolic profiling and application in studies of the human exposome Dr Toby Athersuch* <i>Imperial College London, UK</i>
14:15 – 14:35	Microfluidics: elements of analytical chemistry and the new frontiers in cell biology Jonathan West* <i>University of Southampton, UK</i>
14:35 – 14:55	Novel bio-inspired sensory material for implantable tissue applications Nyasha Ntola* and Ritu Katakya <i>University of Durham, UK</i>
14:55	Afternoon Tea and poster session
15:30 – 15:50	Fabric microfluidics for low-cost protein separations Tanya Narahari*, Dhananjaya Dendukuri and Shashi K Murthy <i>Northeastern University, USA</i>
15:50 – 16:10	Additive enhanced MALDI analysis of lipids by MS, MS/MS and MSI Rian Griffiths* and Josephine Bunch <i>University of Birmingham, UK</i>
16:10 – 16:30	Development of a printed biosensor for selective determination high density lipoprotein cholesterol (HDL-C) Termeh Ahmadraji*, <i>Laura Gonzalez-Macia and Anthony J Killard</i> <i>University of West of England, UK</i>
16:45	Coach returns to University of Hertfordshire
19:15	Coach to the Fielder Centre
19:30	Conference dinner in the Fielder Centre Casino and evening entertainment after dinner
	Coaches back to De Havilland Campus

Wednesday 10 July 2013

08:30	Coach to GSK Stevenage and security checks
Session 4	
09:15 – 10:00	KEYNOTE: In situ measurements for the development and monitoring of chemical processes Dr Alison Nordon* <i>University of Strathclyde, UK</i>
10:00 – 10:20	A competitive enzyme immunoassay for the determination of cocaine on banknotes Susan van der Heide*, Andrew Cunningham, Sheila Hardwick and David A Russell <i>University of East Anglia, UK</i>
10:20	Morning Coffee and poster session
10:50 – 11:20	INVITED: Geoffrey Phillips Award for Analytical Science Photothermal Infrared Microspectroscopy - a novel method for the analysis of single particles of pharmaceutical materials Dr Jonathan Moffat* <i>University of East Anglia, UK</i>
11:20 – 11:50	INVITED: Ronald Belcher Award Graphene electrochemistry: from fundamentals to electroanalytical applications Dale Brownson* <i>Manchester Metropolitan University, UK</i>
11:50	Presentation of awards and prizes
12:05	Poster take down
12:30	Coach departs to University of Hertfordshire

* Denotes presenting author