

Programme

Monday 25 July 2011	
14:00	Welcome and Introduction
Session 1	Session Chair: Professor Peter Fielden, <i>University of Manchester, UK</i>
14:10 K01	KEYNOTE From hand waving to hardware: the path to fielded instrumentation Dr Raymond P Mariella Jr <i>Lawrence Livermore National Laboratory, USA</i>
14:50 O01	Process monitoring of generation III bio-ethanol by capillary electrophoresis techniques Ruchi Gupta*, Sara J Baldock, Peter R Fielden, Jeff E. Prest and Bruce D Grieve <i>University of Manchester, UK</i>
15:10 O02	Development of a practical approach for the detection, tracing and destruction of hormones and antibiotics in biowaste Samuel M Mugo, Jonathan M Withey* and Ting Zhou <i>Grant MacEwan University, Canada</i>
15:30	Afternoon Tea
16:00 I01	2010 Ronald Belcher Award Winner Breaking the barrier Soren Demin <i>University of Cambridge, UK</i>
16:30 O03	Detection of drugs of abuse in waste water E Mwenesongole*, Dr L Gautam, Dr S Hall and Dr T Emmett <i>Anglia Ruskin University, UK</i>
16:50 O04	Analysis of amino acids in fingerprint residue by Capillary Electrophoresis-Mass Spectrometry Tom Atherton*, Ruth Croxton, Mark Baron, Jose Gonzalez-Rodriguez, Laura Gámiz-Gracia and Ana María García-Campaña <i>University of Lincoln, UK</i>
17:10	Poster session and wine reception
18:40	Close of session
19:00 – 20:00	Dinner

Tuesday 26 July 2011

Session 2	Session Chair: Dr Elsa Faria-Billinton, <i>University of Manchester, UK</i>
09:00 K02	KEYNOTE Micro total analytical systems - are we there yet Professor Stephen Haswell <i>University of Hull, UK</i>
09:40 O05	Microfluidic modules for pre-concentration and activation of [18F]-fluoride for PET radiochemical synthesis <i>Francesco De Leonardi*, Giancarlo Pascali, Piero A Salvadori and Nicole Pamme</i> <i>University of Hull, UK</i>
10:00 O06	Cell signalling in microdroplets S Khaliq*, S Mohr, C Harper, B Treves-Brown, N J Goddard and P R Fielden <i>University of Manchester, UK</i>
10:20 O07	Application of synthetic silica-based monolithic materials in protein extraction Eman Alzahrani*, and Kevin Welham <i>University of Hull, UK</i>
10:40	Morning Coffee
11:10 O08	Cavitation Flow Luminescence (CFL) for analytical spectroscopy C M F Whitfield*, M Foulkes and E H Evans <i>University of Plymouth, UK</i>
11:30 O09	Fabrication of porous monolithic silica material functionalised with 4-(2-pyridylazo)resorcinol as miniaturised SPE columns for the analysis of transition metals from environmental samples Awadh O AlSuhaimi I *, Khalf AlSahmmari and Abdullah AlEnazi <i>Taibah University, Saudi Arabia</i>
11:50 O10	Exploration of transition metal chemiluminescence Elizabeth M Zammit*, Neil W Barnett, Luke C Henderson, Paul S Francis <i>Deakin University, Australia</i>
12:10 O11	Big issues in chemical analysis—the work of the Analytical Methods Committee Michael Thompson* <i>Birkbeck University of London</i>
12:30	Lunch

Session 3	Session Chair: Professor Nick Goddard, <i>University of Manchester, UK</i>
13:40 K03	KEYNOTE Scanning electrochemical microscopy and possible applications in bioelectrochemistry and materials research Professor Dr. Wolfgang Schuhmann <i>Ruhr University, Bochum, Germany</i>
14:20 O12	Rationally designed SERS active silica coated silver nanoparticles as versatile reagents for quantitative bioanalysis Louise Rocks*, Karen Faulds and Duncan Graham <i>University of Strathclyde, UK</i>
14:40 O13	Ion-mobility mass spectrometry: a tool for synthetic biology Yana Berezovskaya*, Craig Armstrong, Massimiliano Porrini, Derek Woolfson and Perdita Barran <i>University of Edinburgh, UK</i>
15:00 O14	Intracellular measurements of pH using gold nanoparticles functionalised with PET-based fluorescent probes María J Marín,* Francisco Galindo, Paul Thomas and David A Russell <i>University of East Anglia, UK</i>
15:20	Afternoon Tea
15:50 I02	Ronald Belcher Award Winner 2011 A new beginning for FTIR analysis of cells and tissue: Advances in resonant Mie scattering (RMieS) correction Paul Bassan <i>University of Manchester, UK</i>
16:20 O15	Detecting Cellular Response to Anticancer Drug Exposure by Methods of Fourier Transform Infrared (FTIR) Spectroscopy C. Hughes*, M. Brown, M., Jimenez, F.Ball, G. Monjardez, P. Bassan, K. Flower, N. Clarke, R.D. Snook and P. Gardner <i>University of Manchester, UK</i>
16:40	Poster Session
18:15	Close of session
19:30	Conference Dinner – Yang Sing Restaurant

Wednesday 27 July 2011

Session 4	Session Chair: Professor Richard Snook, <i>University of Manchester, UK</i>
09:00 I03	JPAG Geoffrey Phillips Travel Award Winner The use of photocalorimetry to assess photostability of drugs L Almeida e Sousa*, A Beezer, D Clapham, L Hansen and S Gaisford <i>University of London, UK</i>
09:30 O16	The analysis of opiate alkaloids using two-dimensional reverse phase-reverse phase high performance liquid chromatography with UV-absorbance, chemiluminescence and mass spectrometry detection Tiffany A Goodie*, Xavier A Conlan, R Andrew Shalliker and Neil W Barnett <i>Deakin University, Australia</i>
09:50 O18	Developing sequential injection chromatography for biochemical analysis Abubakr M Idris*, Ahmed O Alnajjar and Rafea E E Elgorashe <i>King Faisal University, Saudi Arabia</i>
10:10	Morning Coffee
10:40 O19	Chemical and biological qualification of selected UV filters as substances and formulated sunscreen products A Smyth*, J A Roche and C A Brougham <i>Athlone Institute of Technology, Republic of Ireland</i>
11:00 O20	The synthesis, analysis and characterisation of piperazine based drugs C Kuleya*, Dr L Gautam, Dr S Hall, Dr T Emmett and Dr V Vaughan <i>Anglia Ruskin University, UK</i>
11:20 K04	KEYNOTE A random walk through analytical chemistry Dr Paul Francis <i>Deakin University, Australia</i>
12:00	Acknowledgements
12:10	Close of Meeting