

Analytical Research Forum 2009

Provisional Programme

Monday 13 July 2009

AM	Workshop: Tour of Pfizer / workshop followed by lunch @ Pfizer PGRD Visitors Reception followed by B500 G.007/G.008/G.009 For pre-registered delegates only
10:00	ARF Registration (Tyler Court reception, Univ of Kent, Canterbury) Luggage storage available at Tyler Court reception.
12:00	Lunch (Rutherford Dining Room, Univ of Kent)
12:45	Buses to Pfizer: Collection from outside Tyler Court (Univ of Kent)
13:15 – 14:00	Registration at Pfizer (B501 Atrium) Delegates are required to show photographic ID to register on-site at Pfizer. Please ensure you have your driving license, or some other form of ID, available on arrival at Pfizer. Please also note that cameras including mobile phones with media capability, or recording equipment, are not permitted on-site at Pfizer. If you have a mobile phone with a camera, you are advised to leave it at Univ of Kent.

Monday 13 July 2009

Session 1	B502 Auditorium, Pfizer
14:00	Welcome from Pfizer Opening Remarks: Vice President RSC Analytical Division and ARF09 Chair Melissa Hanna-Brown, <i>Pfizer, UK</i>
14:20 K01	KEYNOTE Catching criminals and sports cheats – the role of the analytical scientist David Cowan <i>King's College London, UK</i>
15:00 O01	Rapid and sensitive screening for methanol and ethylene glycol poisoning using differential ion mobility techniques Victor Moll*, C L Paul Thomas and Victor Boco-BinTinTan <i>Loughborough University, UK</i>
15:20 O02	Study of acid secretion from isolated stomach tissue using a pH sensing microarray Eleni Bitziou*, Danny O'Hare and Bhavik Anil Patel <i>Imperial College London, UK</i>
15:40	Afternoon tea (B501 Atrium)

Session 2	B502 Auditorium, Pfizer
16:10 A01	Ronald Belcher Memorial Lectureship Michael Scanlon , <i>Tyndall National Institute, Ireland</i> Awarded for his work on electrochemical ion transfer at the interface between immiscible electrolyte solutions and the behaviour of biological macromolecules at these interfaces.
16:40 O03	Chiral separation of methamphetamine and related compounds: towards a new profiling method for forensic drug seizures Samantha Drake*, Calum Morrison and Frank Smith <i>University of West of Scotland, UK</i>
17:00 O04	Incorporation of photochromic spiropyran compounds and spiropyran modified substrates into flow micro-systems Silvia Scarmagnani* Zarah Walsh, Fernando Benito-Lopez, Silvija Abele, Mirek Macka, Brett Paull and Dermot Diamond <i>Dublin City University, Ireland</i>
17:20 O05	An immobilised BRET system: red fluorescent firefly luciferase Golnaz Borghei* and Elizabeth A H Hall <i>University of Cambridge, UK</i>
17:40	End of session
17:45 – 18:15	Buses back to Canterbury
19:30	Evening Meal in Rutherford Dining Room, Univ of Kent Followed by Casino in the Origins Bar, Darwin College.

Tuesday 14 July 2009

8:20 – 8:30	Buses to Pfizer: Collection from outside Tyler Court, Univ of Kent
9:00 – 9:15	Registration at Pfizer

Session 3	B502 Auditorium, Pfizer
09:20 O06	Aptamers as biosensors Colette Dalton*, Karen Faulds and Duncan Graham <i>University of Strathclyde, UK</i>
09:40 O07	Molecular probes for the analysis of the surface chemistry of drug polymorphs Tracy O Ehiwe*, John C Mitchell, Bruce D Alexander and Martin J Snowden <i>University of Greenwich, UK</i>
10:00 K02	KEYNOTE Enzyme promiscuity and bioelectronics for biosensors Elizabeth A H Hall* <i>University of Cambridge, UK</i>
10:40	Morning coffee (B501 Atrium)

Session 4	B502 Auditorium, Pfizer
11:10 O08	Discovering the structural diversity of sainfoin (<i>Onobrychis vicifolia</i>) tannins Elisabetta Stringano*, An Gea, Rainer K Cramer, Wayne Hayes and Irene Müller-Harvey <i>University of Reading, UK</i>
11:30 O09	Application of atomic force microscopy to the study of pharmaceutically relevant materials Catherine E Gardner*, Andrew Cassidy, Barry J Aldous, Evgenyi Y Shalaev and William Jones <i>University of Cambridge, UK</i>
11:50 O10	Broadband cavity enhanced absorption spectroscopy as a sensitive detector L Nitin Seetohul*, Meez Islam and Zulfiquir Ali <i>University of Teesside, UK</i>
12:10 K03	KEYNOTE Down to earth Geraint Morgan* <i>Open University, UK</i>
12:40	Lunch (B501 Atrium)

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Session 5	B502 Auditorium and B519 Restaurant, Pfizer
13:30	<p>SAC Silver Medal Lectureships</p> <p>Dr R J C Brown, <i>National Physical Laboratory, UK</i> Distinguished for his excellence in the application of measurement science to a variety of analytical chemistry problems. In particular in the areas of: environmental analytical chemistry, electroanalysis and surface enhanced Raman spectroscopy.</p> <p>Dr J Cole, <i>University of Cambridge, UK</i> Distinguished for her role in the development of novel approaches in Neutron Diffraction and Photo-Crystallography and their application to establishing structure/property relationships for materials of interest to the optic and optoelectronic community.</p>
14:30 O11	<p>Investigating early aggregation processes by mass spectrometry Harriet L Cole*, Jason M D Kalapothakis, Perdita E Barran and Cait E MacPhee <i>University of Edinburgh, UK</i></p>
14:50 O12	<p>Detection of ionized drugs by ion-transfer voltammetry at liquid/liquid micro-interfaces Courtney J Collins* and Damien W M Arrigan <i>University College Cork, Ireland</i></p>
15:10	Move to poster session (B519 Restaurant Section II)
15:30	Afternoon tea and poster session: P01 – P50
17:15	End of poster session: All posters removed and posters P51 – P90 hung in preparation for poster session the following day.
17:15 – 17:45	Buses back to Canterbury: Collection from B519 Campus Gateway
19:30	Pre-dinner drinks (Rutherford Dining Room, Univ of Kent)
20:00	<p>Conference Dinner with Welcome Remarks from Pfizer</p> <p>Table entertainment: Colin Hoult, Magician After-dinner speaker: David Perrett (<i>Barts and the London School of Medicine, Queen Mary University of London</i>) Live music: Loose Change Soul Band</p>

Wednesday 15 July

8:20 – 8:30	Buses to Pfizer: Collection from outside Tyler Court, Univ of Kent
9:00 – 9:15	Arrival at Pfizer: Coach to B519 Campus Gateway. (Buses continue to B501 Atrium to drop off luggage)

Session 6	B519 Restaurant and B502 Auditorium, Pfizer
9:15	Poster session: P51 – P90 with morning coffee (B519 Restaurant Section II)
10:30	Move to B502 Auditorium
10:40 O13	A gel based integrated micro-fluidic device for DNA profiling Jennifer Oakley*, K Shaw, P Docker, C Dyer, G Greenway and S J Haswell <i>University of Hull, UK</i>
11:00 O14	An approach towards rapid and definitive identification of N-oxidised drug metabolites using structurally dependent fragmentation pathways Stephen W Holman*, Patricia Wright and G John Langley <i>University of Southampton, UK</i>
11:20 K04	KEYNOTE Formula One fuel analysis: from Silverstone to Shanghai Peter Tibbetts* <i>Federation Internationale De L'Automobile, UK</i>
12:00	Prize Giving Professor Gillian Greenway <i>President of the Analytical Division of the RSC</i>
12:05	Closing Remarks
12:15	Close of meeting
12:15	Buses back to Canterbury: Collection from B501 Atrium