



# Advances in Clinical Analysis 2014

**19th September, 2014**

Robens Suite,  
29<sup>th</sup> Floor, Guy's Hospital Tower,  
St Thomas' Street, London, SE1 9RT



**Organised by The Chromatographic Society and the Separation Science Group of the Analytical Division of the Royal Society of Chemistry and Accredited by the Royal College of Pathologists\* and the Institute of Biomedical Science\*\*.**

*After the past successes Advances in Clinical Analysis meetings, the Chromatography Society and Separation Science Group of the Royal Society of Chemistry are pleased to announce the 2014 meeting, with a full and exciting topic and speakers program. The one day meeting will be held at Guys and St Thomas' Hospital, London, UK, and will facilitate delegate and exhibitor access to a wide range of scientists.*

*Clinical analysis is one of the most exciting and important areas within the various domains in Life Sciences and Industry. The meeting will provide an insight into the latest methodologies and technological developments for clinical applications, in particular the field of mass spectrometric analysis. Clinical analysis is a wide-ranging and complex subject area, but as we move to more complex and difficult clinical analyses, much is now being asked of the methodologies/techniques in terms of the specificity, sensitivity and simplicity and also productivity, in terms of both speed and cost.*

*The meeting sets out to look at separation and complementary/alternative techniques along with case studies from the hospital and academic areas. The program has been designed to give attendees an update for both routine and problem solving in clinical analysis. The meeting will also focus on the opportunities and perspectives within the wider area of clinical analysis.*

*\*This meeting has been accredited by the Royal College of Pathologists for 4 CPD points.*

*\*\*This meeting has been accredited by the Institute of Biomedical Science for 7 Credits.*

## Advances in Clinical Analysis 2014 – Topics & Speakers

|                              |   |
|------------------------------|---|
| 09:00- 09:40                 | <b>Registration ,Coffee and Exhibition</b>  |
| 09:40-09:50                  | <b>Opening and Welcome</b><br><i>Lewis Couchman, RSC SSG</i>  |
| 09:50-10:30                  | LC-MS based quantitation of plasma proteins and peptides<br><i>Richard Kay, LGC Ltd.</i>  |
| 10:30-11:00                  | Dried blood spots and dried urine spots in clinical analysis: current roles and future perspective<br><i>Neil Dalton, Evelina London Children's Hospital</i>  |
| <b>Vendor Presentations</b>  |   |
| 11:00-11:15                  | Is now the time for LC-MS in clinical laboratories?<br><i>Sarah Robinson, ThermoFisher Scientific</i>   |
| 11:15-11:30                  | The latest developments in clinical mass spectrometry<br><i>Pete Christensen, Agilent Technologies</i>  |
| 11:30-11:45                  | Development of a highly selective LC-MS assay for vitamin D metabolites<br><i>Jason Wrigley, Sigma Aldrich UK</i>   |
| 11:45-12:00                  | Improved analyte recovery using a phospholipid depletion plate with an established LC-MS/MS method to quantify 25-OH vitamin D <sub>2</sub> /D <sub>3</sub><br><i>James Rudge, Phenomenex</i>               |
| <b>Exhibition and Lunch</b>  |   |
| 13:20-13:50                  | Amino acid analysis by LC-MS for metabolite phenotyping<br><i>Nicola Gray, Imperial College London</i>  |
| 13:50-14:20                  | Preparation of biological samples for clinical analysis<br><i>Andrew Davison, Royal Liverpool &amp; Broadgreen University Hospitals</i>   |
| 14:20-15:00                  | Internal calibration LC-MS: principles and applications<br><i>Sarah Belsey, Viapath, King's College Hospital, London</i>  |
| <b>Coffee and Exhibition</b> |   |
| 15:20-15:50                  | The evolution of electrochemical detection<br><i>Norman Ramsey, ThermoFisher Scientific</i>   |
| 15:50-16:20                  | Meeting the analytical requirements in the transition from biomarker discovery to routine testing<br><i>Mike Morris, BMSS Lecturer</i>  |
| 16:20-17:00                  | Direct mass spectrometric profiling of tissues, biological fluids and bacteria - an emerging field in clinical chemistry<br><i>Zoltan Takats, Department of Surgery and Cancer, Imperial College London</i> |
| 17:00                        | <b>Close of meeting</b><br><i>Tony Edge, Chromatographic Society</i>  |

### **Registration Fee: All Sessions, Exhibition, and Lunch**

Members of either The Chromatographic Society, RSC or BMSS  
(discount code: DIS-SEP-SCI426)

**£70**

Non Members

**£100**

Students\* and Retired

**£25**

*\*Student bursaries are available from the RSC and the Chromatographic Society - please contact: Chromatographic Society: John Lough (john.lough@sunderland.ac.uk) or RSC: Paul Russell (Paul.J.Russell@unilever.com) for more details, requirements and an application form.*

Registration will be available at the RSC website: <https://events.rsc.org/rsc/426/home>

For more information on the meeting please visit the Chromatographic Society website [www.chromsoc.com](http://www.chromsoc.com).

## Meeting Sponsors:

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## Accredited by:



The Royal College of Pathologists  
Pathology: the science behind the cure



## Meeting report to be published by:

# Bioanalysis

[www.future-science.com/loi/bio](http://www.future-science.com/loi/bio)

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