



## Advances in High Resolution and High Speed Separations



### **Chromatographic Society 1-day meeting Thursday 18<sup>th</sup> March 2010, AstraZeneca R&D, Alderley Park, Cheshire, UK**

*In this meeting the latest developments in high resolution, high speed separations and associated detection will be reviewed. It will be of interest to all practitioners of separation science, particularly those using ultra high pressure liquid chromatography (UHPLC), two-dimensional chromatography as well as gas and supercritical fluid chromatography for problem solving.*

*The venue is particularly apt being the UK centre for one of the world's largest pharmaceutical companies – AstraZeneca R&D.*

*As a result of the quality of the academic and industrial speakers we have recruited for this meeting we believe this will be a highly informative and well attended event. There will also be an exhibition (both instrument and consumables) during the meeting alongside vendor presentations in the programme.*

*Cost for Chromatography society members (& BMSS, RSC members) is £100, for non members £150 and for retired persons £30. For the meeting we will offer limited free registration to students and to unemployed Chromatography Society members to provide networking opportunities. These are available on request. Please submit an email request to [Amjad.Khan@astrazeneca.com](mailto:Amjad.Khan@astrazeneca.com)*

**For further details see [www.Chromsoc.com/Chromsocevents.aspx](http://www.Chromsoc.com/Chromsocevents.aspx)**

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*Note preliminary agenda: Speakers, topic areas or presentation times may be subject to change*

### Session 1

9:00 Registration and refreshments

9:45 Welcome address – Alan Handley (President of the Chromatographic Society)

9:50 – 10:30 Prof. Peter Schoenmakers (University of Amsterdam, The Netherlands)  
*“State of the art “2-D” separations.”*

10:30 – 11:00 Dr Patrik Petersson (AstraZeneca R&D Lund, Sweden) *“Implementation of U(H)PLC within a global pharmaceutical company – A new way of working.”*

11:00 – 11:30 Prof. Ian Wilson/Dr Chris Smith (AstraZeneca R&D Alderley Park, UK) *“Where are we?, and where next?, in high temperature LC”.*

11:30 – 12:00 Dr Philip Grace (Quotient, UK)  
*“Sorting Needles in Haystacks: Resolving Problems in Nutrition and Fitness Testing”*

**12:00 – 14:00 Exhibition & Lunch in the Atrium**

### Session 2

14:00 – 14:30 Barry Upton (Waters, UK): *“Further enhancements to the ACQUITY UPLC family”*

14:30 – 14:50 Dr Monika Dittmann (Agilent Technologies, Germany)  
*“Kinetic Optimisation of Fast Gradient Separations with UHPLC”.*

14:50 – 15:10 (Dionex, UK)  
*Targeted High Resolution Analysis and RSLC Method Switching for Metabolomic Analysis.*

**15:10 – 15:40 Exhibition & refreshments in the Atrium**

### Session 3

15:40 – 16:10 Dr Jaap de Zeeuw (Restek Corporation, Middelburg, The Netherlands)  
*“Fast GC-MS separations using short columns and a simple vacuum GC setup using a restriction positioned inside the injection port”.*

16:10 – 16:40 Dr Wim Tragg (RIKILT (Institute of Food Safety), Wageningen, The Netherlands)  
*“A Screening Approach Using Pegasus 4D GCxGC-TOFMS for Contaminants and Terror Alerts in 2010 and Beyond”*

16:40 – 17:15 Dr Frédéric Lynen (University of Ghent, Belgium)  
*“Enhancing fluidity and maximising stationary phase selectivity for faster, high resolution, pharmaceutical and bio-molecular HPLC analysis”.*