

focus on Chromatography

Advances in Separation Science - The Chromatographic Spring Symposium & Annual General Meeting

Paul Ferguson, Vice-President - The Chromatographic Society

The Chromatographic Society's Spring Symposium and Annual General Meeting will be held at the Novartis site in Horsham (West Sussex) on Wednesday 11th and Thursday 12th May 2011. The theme for the meeting is 'Advances in Separation Science' with a particular focus on pharmaceutical drug discovery. The Spring Symposium will be held over one-and-a-half days allowing for an extensive range of presentations from academics, industrial speakers and vendors, as well as significant exhibition and networking time. There will also be a Symposium dinner at a local hotel, but capacity is limited to a maximum of 80 attendees. Attendance will therefore be on a first-come-first served basis as indicated during delegate registration. The preliminary programme for the Symposium may be viewed by following the link at the end of this article.

Novartis in Horsham is the UK research site for the pharmaceutical giant Novartis where their inhalation portfolio is researched. As the focus of the meeting will be on small-molecule analysis (principally pharmaceutical), this is a very apt setting for this symposium. Waters have kindly agreed to be principal sponsor for the meeting, and the Chromatographic Society would like to thank and acknowledge them for their support. Our first keynote lecture will be provided by Professor Wolfgang Lindner of the University of Vienna. Professor Lindner is famous for his work in the field of chiral chromatography and The Chromatographic Society recognised his achievements in the field by awarding him the Martin medal in 2009 (having previously been awarded the Jubilee medal in 1991). His talk will be 'Enantiomer Separations with Chiral Ion Exchangers, a Unique Class of Chiral Columns', where he will discuss the application of his quinine and quinidine based ion exchange chiral columns. The second keynote lecture speaker has not yet been finalised, but the organisers are in discussion with high quality scientists from both the US and Europe to present in the Wednesday afternoon session.



Also that afternoon, there will be a session on analytical support of drug discovery. Presentations in the session will be provided by Dr John Langley and Dr Brian Everatt (University of Southampton and Novartis respectively). John will provide an overview on the hyphenation of SFC to MS and its pharmaceutical application areas including collaborative research with a number of pharmaceutical companies. Brian will then discuss 'Open Access Lab to Lab Automation' highlighting Novartis's novel approach to open access analytical support of synthetic chemists through inter-lab sample transportation.

The second day will be opened with a session dedicated to Dr Uwe Neue of Waters. As many of you will be aware, Uwe sadly passed away in December 2010 after a short illness. Uwe was a 'heavyweight' in the world of separation science contributing over 130 peer reviewed publications and books on the subject. He contributed much to our understanding of column technology and latterly ultra-high pressure chromatography. He was open and generous with his deep knowledge of chromatography and The Chromatographic Society, with the kind permission of Waters, will acknowledge his contribution in this session.

Accordingly three UK based scientists who worked with him will present in his memory. The first presentation will be Professor Peter Myers (University of Liverpool) who was a close friend and former Waters colleague of Uwe. He will be followed by James Heaton (Kings College London) who worked with Uwe during his current doctoral studies. The session will be completed by Dr David McCalley (University of the West of England), who collaborated extensively on fundamental aspects of chromatography with Uwe, presenting his work on 'Are superficially porous particles a viable alternative to sub-2 micron particles for fast, efficient analysis in HPLC?'.

In the afternoon, the second invited lecturer session will reflect on SFC and alternative purification techniques. As many of these techniques are utilised extensively in pharma, this will be a session with a high industrial flavour. The first presentation will be provided by the renowned Dr Bob Boughtflower (GSK, Stevenage) who will discuss further advances in their LC fraction trapping strategy. Bob's presentation will be followed by John Burnett (Eli Lilly) who will discuss 'Exploring alternative SFC purification strategies and novel uses of CO₂ in support of Discovery Chemistry uses of CO₂ in support of Discovery Chemistry'. Following the break, the symposium programme will be completed with presentations by Dr Jenny Kingston (Novartis) on 'Purification strategies to aid Medicinal Chemists' and Nathalie Douillet (GSK, UK) who will discuss GSK's collaborative efforts with Dynamic Extractions on 'Potential for the Application of Counter Current Chromatography in Chemical Development'.

On both days there will be sessions dedicated to vendor presentations, which will mesh with the invited speaker programme. In these sessions the vendors will provide insight into their current product portfolios and the application of their technologies to small molecule separations. These presentations are always scientifically strong and form a key aspect of the Spring Symposium. Vendors interested in sponsoring this event should contact our Secretariat Meeting Makers (see contact details below)

The Chromatographic Society's Annual General Meeting will also be held over the lunchtime of the second day of the symposium. All members of the Chromatographic Society are strongly urged to attend this and contribute their thoughts on the Society's direction. Non-members are also welcome to attend and learn more about the Society and our many outreach activities for the promotion of separation science in the UK and Europe.

A limited number of bursaries are being provided by the Chromatographic Society for students wishing to attend this meeting. Requests for these bursaries should be directed to Dr Amjad Khan (Amjad.Khan@astrazeneca.com). Registration for this meeting is now open and can be accessed through the Chromatographic Society website (<http://www.chromsoc.com/ChromsocEvents.aspx>). All enquiries for the meeting should be directed to our secretariat Meeting Makers (chromsoc@meetingmakers.co.uk). Further agenda updates will also be available on the Chromatographic Society website (<http://www.chromsoc.com/ChromsocEvents.aspx>).



Waters
THE SCIENCE OF WHAT'S POSSIBLE.™