



## 1st RSC/SCI Symposium on Continuous Processing and Flow Chemistry

Wednesday 3 - Thursday 4 November 2010

GlaxoSmithKline Stevenage, Herts, UK

**RSC** | Advancing the  
Chemical Sciences

Organised by SCI's Fine Chemicals Group and RSC's  
Biological & Medicinal Chemistry Sector

  
**SCI**  
where science meets business

## Wednesday 3 November

- Programme**
- 09:00** Registration, refreshments & exhibition
- 09.50** **Introduction & welcome**  
Chair: Dr Ian Baxendale, University of Cambridge
- 10.00** *Plenary Lecture 1*  
**Photochemistry, Reactive Intermediates and Polymerizations in Flow**  
Prof. Peter Seeberger, Max Planck Institute of Colloids and Interfaces, Germany
- 10.50** **New Opportunities for Synthesis using Flow Chemistry**  
Prof. Thomas Wirth, Cardiff University, United Kingdom
- 11.30** **Diverse Applications of Meso-fluidic Technology to Drug Discovery**  
Dr. Christina Thompson, Abbott Laboratories, USA
- 12.10** Lunch and exhibition  
Poster session open from 12.40
- 13.25** **Afternoon opening remarks**  
Chair: Mr Ian Clemens, Novartis
- 13.30** **Application of Flow Reactors within Drug Discovery**  
Dr. Elizabeth M. Doherty, Amgen Inc, USA
- 14.10** *Plenary Lecture 2*  
**Sustainable Chemistry through Novel Process Windows and System Integration in Micro Process Technology**  
Prof. Volker Hessel, Eindhoven University of Technology, Netherlands
- 15.00** **Chemistry & Biology on the Small Scale: Continuous and Segmented Flow Microfluidics**  
Prof. Andrew de Mello, Imperial College London, United Kingdom
- 15.40** Refreshments, exhibition and posters
- 16.10** Chair: Dr Dave Parry, Cyclofluidic
- 16.15** *Plenary Lecture 3 - Sponsored by Vapourtec*  
**Multistep flow chemistry in micro and meso scale reactors**  
Prof. Klavs F. Jensen, Massachusetts Institute of Technology, USA
- 17.05** **Continuous flow reactors for gas/liquid chemical processes**  
Prof. Graham Sandford, Durham University, United Kingdom
- 17.45** Wine mixer (sponsored by ThalesNano) and exhibition  
Poster session opens from 18.00
- 19.15** Coach to conference dinner
- 19.45** Conference Dinner



## Thursday 4 November

- Programme**
- 09:00 Registration, refreshments & exhibiton
- 09.15 **Introduction & welcome**  
Chair: Mr Andrew Mansfield, Pfizer
- 09.20 **Enabling Technologies in Organic Synthesis – from Microreactors to New Heating Concepts**  
Prof. Andreas Kirschning, Leibniz University of Hannover, Germany
- 10.00 **Continuous Synthetic Photochemistry: Theory, Practice & Opportunities**  
Prof. Kevin Booker-Milburn, University of Bristol, United Kingdom
- 10.40 **Applications of Flow Chemistry in Early Stage Pharma Discovery**  
Mr Rob Wheeler, GSK Stevenage, United Kingdom
- 11.10 Refreshments, exhibition and posters
- 11.40 **Automating Chemical Synthesis through Flow Chemistry**  
Dr Neal Sach, Pfizer, USA
- 12.20 **Evaluation of Flow Technology at AstraZeneca**  
Dr. Ash Mahmood, AstraZeneca, United Kingdom
- 13.00 Lunch and exhibition  
Poster session open from 13.30
- 14.15 **Afternoon opening remarks**  
Chair: Dr Jason Tierney, BioFocus
- 14.20 **Going Against the Flow**  
Dr Malcolm Berry, Chem Dev. GlaxoSmithKline, United Kingdom
- 15.00 *Plenary Lecture 4 - Sponsored by Uniqsis*  
**Flow Chemistry: Recent Developments**  
Prof. Steven V. Ley, University of Cambridge, United Kingdom
- 15.50 **An Integrated Flow Synthesis and Biological Screening Platform for Drug Discovery**  
Mr Chris Selway, Cyclofluidic, United Kingdom
- 16.30 **Closing remarks**

With thanks to our sponsors:



## Synopsis

This meeting will be of particular interest to synthetic chemists operating in drug discovery, agrochemicals and the fine chemicals industries.

This new two day meeting is the inaugural UK Flow Chemistry Conference being promoted by both SCI and RSC as an important area for the Future of Chemistry. It is hoped that the internationally renowned speaker list and exciting spread of themes will attract and interest delegates from both academia and industry.

The meeting is directed at both individuals with a curiosity into what Flow is and how it may benefit them or their organisations (covering aspects from microfluidics to production scale manufacture) and those people already involved in the area (by highlighting the latest developments and cutting edge research to further stimulate appetites).

## Posters

The conference will include a poster session and interested delegates are strongly encouraged to submit early applications for poster, as numbers will be limited. Please send a one-page abstract to [conferences@soci.org](mailto:conferences@soci.org). Bursaries will be offered to a limited number of student poster presenters. Bursaries will cover delegate fees, the conference dinner and up to £50 travel expenses.

### **5% discounts apply to all SCI conferences by booking online at [www.soci.org](http://www.soci.org)**

## Dinner

The Conference Dinner takes place at the Ramada Cromwell. Buses will transfer delegates from GSK to the dinner venue and drop them to Stevenage station after dinner. The cost is only £40 per person for a 3 course dinner including wine in the lovely setting of an old style traditional hotel which was once a farmhouse. The Ramada Cromwell is based in the Old Town of Stevenage. Please book your place on the dinner by booking online at [www.soci.org](http://www.soci.org) or by completing the booking form overleaf. This is an excellent opportunity to continue networking and discussions with your fellow delegates in a more relaxed and comfortable environment.

## Exhibition

An exhibition will showcase flow chemistry hardware from leading vendors in this arena. Exhibitors include:

- Accendo
- Cambridge Reactor Design
- Chemtrix
- Kinesis
- Mettler-Toledo
- Syrris
- ThalesNano
- Uniqsis
- Vapourtec

## SCI

SCI is an international, independent charity whose remit is to promote the application of science for the benefit of society. SCI is the publisher of many well respected journals and Chemistry & Industry magazine (C&I). SCI can offer a network of contacts, an in-depth knowledge of chemical related industries together with a rolling programme of conferences, awards and scholarships to help further knowledge and support those involved in the sector no matter what stage of their careers. For more information on the benefits of joining SCI please go to [www.soci.org/membership](http://www.soci.org/membership)



## **Travel**

### **Arriving by Car**

The site is approximately 30 miles from London on the A1(M). Exit at junction 7 and take the 602 Eastbound towards Hertford and Ware. At the first roundabout take the third exit and you will see the entrance to the site. The security Reception is a further 50 yards on the left. There is a visitor's car park at GSK Stevenage.

### **Arriving by Air**

Stevenage is 12 miles from Luton Airport, 35 miles from Heathrow Airport and 35 miles from Stansted Airport.

### **Arriving by Bus**

The Stevenage site is not supported by a regular bus service.

### **Arriving by Train**

The site is about 25 minutes walk from Stevenage Train Station. Intercity trains stopping at Stevenage run from Kings Cross via Finsbury Park on the line to Peterborough, York, Newcastle and Edinburgh. There is a taxi rank beside the station. Taxi's to GSK cost approximately £5/ £6.

### **Taxi**

From Stevenage train station, when you come out of the ticketing area, turn left and then next left down the stairs to the Taxi rank.

Taxi numbers:

+ 44 (0) 1438 72 8866

+ 44 (0) 1438 727277

+ 44 (0) 1438 317777

More details and a map can be found at [www.soci.org](http://www.soci.org)

## **Accommodation**

A large number of rooms have been reserved at the Ramada Cromwell in Stevenage. Quote Event no.25868 to book at the special conference rate of £76.00 per person for Bed and Breakfast. We advise you to book your room as early as possible as rooms will be released a month before the conference. The conference dinner on Wednesday 3 November will also be held at this hotel. The hotel is a short drive/ taxi ride from both Stevenage Train Station and GSK.

### **Ramada Cromwell**

High Street, Old Town, Stevenage, Herts, SG1 3AZ

Tel: +44 (0) 1438 779954 Fax: +44 (0) 1438 742169

There are also a number of other hotels in Stevenage Town Centre including an Ibis, Holiday Inn and Holiday Inn Express.

## **Organisers**

Dr Jason Tierney, BioFocus

Mr Andrew Mansfield, Pfizer

Dr Dave Parry, Cyclofluidic

Dr Ged Giblin, GlaxoSmithKline

Mr Ian Clemens, Novartis

Dr Ian Baxendale, University of Cambridge

Dr Simon Peace, GlaxoSmithKline

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3 - 4 November 2010 @ GSK Stevenage, Herts, UK

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Please tick appropriate box below

### Early Bird Rate before 01 Oct 2010

SCI/ RSC Member.....£120

Non-Member.....£170

Subsidised Member.....£80

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Conference Dinner ..... £40

### Booking Rate after 01 Oct 2010

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Subsidised Member.....£120

Student Member.....£80

Conference Dinner ..... £40

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3. Credit Card. Please debit £..... from my Mastercard/ Visa/ Amex (please circle)

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Please return completed forms to:

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Cancellations: Received in writing 1 to 3 weeks prior to the meeting will be subject to a 20% administration charge. Refunds cannot be made for cancellations received after this period although substitutions may be made. Should unforeseen circumstances occur, SCI reserves the right to alter the content of the programme and cancel or postpone any of its meetings without notice or, in the case of complete cancellation, liability to enrolled delegates other than return of fees.

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