



29th SCI Process Development Symposium

Wednesday 7 - Friday 9 December 2011
Churchill College, Cambridge, UK

Organised by SCI's Fine Chemicals Group



The symposium aims to bring together a wide range of speakers from across the Pharmaceutical, Agrochemical and Fine Chemical industries, as well as from an academic background.

The area of Process Development continues to be a challenging and important area for the research into and application of modern synthetic organic chemistry, as well as enabling technologies.

Process Development is the application of chemistry to the scale up of new synthetic processes from the laboratory, through pilot plant to full scale commercial manufacture and into life cycle management. It is an extremely broad discipline, crossing the boundaries between synthetic organic chemistry, process technology and chemical engineering.

Attendees

This meeting brings together experts from across the entire spectrum of the discipline to present state of the art process development. As an established and well attended meeting, the process development symposium offers an excellent opportunity for networking between like-minded process scientists of all levels of experience and from all areas of the chemical industry.

Exhibition

An exhibition will run alongside the conference during refreshment breaks, for companies and related organisations who may wish to exhibit. For further information and prices please email jacqui.maguire@soci.org.

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 industry leader Chemistry & Industry magazine (C&I). SCI can offer a network of contacts spanning education, science and business, 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

Wednesday 7 December

- 11:00** Registration and refreshments
- 12:15** Lunch
- 13:25** Opening remarks
- 13:30** **Process development of GSK1120212B: a novel MEK inhibitor for the treatment of cancer**
Dr Richard Ward, GlaxoSmithKline, UK
- 14:10** **Flow chemistry dealing with solids**
Prof Xiong-Wei Ni, NiTech Solutions Ltd, UK
- 14:50** **Semisynthetic artemisinin: path to industrial production**
Dr Joel Turconi, Sanofi-Aventis, France
- 15:30** Refreshments
- 16:10** **Large scale synthesis of diphenylalanine**
Dr Justine Peterson, Dr Reddy's, UK
- 16:50** **With efficient catalysis towards a commercial synthesis of edaglitazone and aleglitazar**
Dr Michelangelo Scalone, F. Hoffmann-La Roche AG, Switzerland
- 17:30** Discussion and close
- 17:45** Drinks reception sponsored by **Dr Reddy's**
- 19:00** Dinner for residents

Thursday 8 December

- 09:00** **Development of an enantioselective multikilogram synthesis of a HCV polymerase inhibitor**
Dr Jeremy Scott, Merck, UK
- 09:40** **Industrial biotechnology in the speciality chemicals industry**
Dr Surinder P Chahal, Croda, UK
- 10:20** Refreshments
- 10:50** **Model based process development**
Dr Wilfried Hoffman, Pfizer, UK
- 11:30** **A case history – full title to be announced**
Dr Chris Wallis, GlaxoSmithKline (retired), UK

- 12:10** Lunch
- 13:10** **Going against the flow?**
Dr Patrick Delaney, Peakdale, UK
- 13:50** **Isotope labelling provides new possibilities in process development**
Dr Eva Jakobssen, AstraZeneca, Sweden
- 14:30** Refreshments
- 15:00** **Process development of an oxazolidinone antibiotic, TR-701FA**
Dr Robert Duguid, AMRI, USA
- 15:40** **GlaxoSmithKline, AstraZeneca, Syngenta and Pfizer prize for process chemistry research 2011**
Winner to be announced
- 16:40** Discussion and close
- 17:30** Drinks reception
- 19:00** Symposium dinner

Friday 9 December

- 09:00** **Chiral amines by asymmetric hydrogenation processes**
Dr André de Vries, DSM, The Netherlands
- 09:40** **Estimating the comparative costs of batch and continuous hydrogenation**
Dr Fred Hancock, Johnson Matthey, UK
- 10:20** Refreshments
- 10:50** **Development of methods for the systematic exploration of chemical space**
Prof Adam Nelson, University of Leeds, UK
- 11:30** **Mechanistic chemistry from lab to plant**
Dr Colin Brennan, Syngenta, UK
- 12:10** **Practical catalytic enantioselective syntheses of 5-phenylbicyclo [2.2.2]oct-5-en-2-one. A concise entry into chiral diene ligands**
Dr Stefan Abele, Actelion, Switzerland
- 12:50** Close followed by lunch

Venue

The conference will take place at Churchill College in Cambridge.

Churchill College is one of 31 Colleges that comprises the University of Cambridge. Founded in 1960, it is a 15 minute walk from the centre of Cambridge. Despite the concentration of hi-tech and science industries around Cambridge, the centre still retains the atmosphere of a small town, renowned for the many university colleges and places of interest. Further information about Cambridge and alternative accommodation can be found at: www.visitcambridge.org

Travel

Travel to Cambridge is convenient by road or rail. Churchill College is on Storey's Way, off the A1303 one mile west of the city centre and close to the M11 motorway. There are frequent train services to Cambridge from London King's Cross and Liverpool Street Stations. The nearest international airport is London Stansted (30 miles) which has rail and coach links to Cambridge. From London Heathrow and Gatwick Airports there are express rail links to central London for onward rail journeys as above. There are also coach links from both airports direct to Cambridge.

A map will be sent to all delegates with the confirmation email

Accommodation

Accommodation for delegates at the college comprises either single study ensuite or single study standard bedrooms. Rooms will be allocated on a first-come, first served basis.

The accommodation package is for 2 nights - Wednesday 7 and Thursday 8 December and includes Full English or Continental breakfast plus an evening meal on Wednesday 7 December. Rooms must be vacated by 10.00am on the day of departure. Luggage storage will be available.

Those not wishing to stay in college accommodation can book accommodation directly through www.visitcambridge.org

Please note: Bedrooms at the college will be available from 14.00 on the day of arrival.

Organisers

Dr Louis Diorazio, AstraZeneca, UK

Dr John Carey, Reckitt Benckiser, UK

Dr Alan Ironmonger, GlaxoSmithKline, UK

Dr David Lathbury, AMRI Global, UK

Mr Alan Pettman, Pfizer, UK

Mr Scott Taylor, Syngenta, UK

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Booking Rate before 14 Oct 2011

SCI Member.....£440 ☐

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Subsidised Member.....£250 ☐

Booking Rate after 14 Oct 2011

SCI Member.....£480 ☐

Non-Member.....£535 ☐

Subsidised Member.....£275 ☐

Book online at www.soci.org/events (multiple delegates can easily be booked)

Accommodation Package

Includes Bed/Breakfast for Wed 7 & Thurs 8 December plus dinner on Wed 7 December

Single Ensuite Room (with private bathroom)..... £170 ☐

Single Standard Room (with shared bathroom)..... £135 ☐

SCI membership number (if applicable)

Surname First Name

Title Mr/Mrs/Dr/Prof/Other Position

Organisation

Address

..... Postcode

Tel

Email

Special requirements: (dietary/access/other)

Signature Date

There are 3 ways to pay:

1. Online at www.soci.org/events (multiple delegates can easily be booked)

2. Cheques made payable to 'SCI' should be drawn in GB£ & enclosed with this form

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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