



31st SCI Process Development Symposium

Wednesday 2 - Friday 4 April 2014
Churchill College, Cambridge, UK

Organised by SCI's Fine Chemicals Group



Wednesday 2 April

- 11:00** Registration and refreshments
- 12:15** Lunch
- Chairman: Dr Alan Ironmonger, GlaxoSmithKline, UK
- 13:25** Opening remarks
- 13:30** **TBC**
Dr Robert Duguid, AMRI Global, US
- 14:10** **Flow-through hydrogenations**
Prof Frans Muller, University of Leeds, UK
- 14:50** **Continuous processes - sustainable manufacturing**
Dr Jörg Schrickel, CABB, Switzerland
- 15:30** Refreshment break
- 16:10** **Process research and development for an Abbott HCV polymerase inhibitor**
Dr Yi-Yin Ku, Abbvie, US
- 16:50** **Implementation of quality by design (QbD) – challenges and opportunities**
Dr Moheb Nasr, GlaxoSmithKline, US
- 17:30** Discussion and close
- 17:45** Drinks reception sponsored by AMRI Global
- 19:00** Dinner for residents

Thursday 3 April

Chairman: Dr Robert Walton, Pfizer, UK

- 09:00** **Process research and development to enable large scale synthesis of merck drug candidates**
Dr Edward Cleator, Merck Sharp and Dohme, UK
- 09:40** **Implementing PAT for pharmaceutical processes**
Dr Jacques Wiss, Novartis Pharma AG, Switzerland
- 10:20** Refreshment break
- 10:50** **From hydrogenation to dehydrogenation - developing versatile catalysts for fine chemicals synthesis**
Prof Jianliang Xiao, University of Liverpool, UK
- 11:30** **Vilanterol trifenate: chemistry, manufacturing and control**
Dr Matt Popkin, GlaxoSmithKline, UK

12:10 Lunch

Chairman: Dr Lisa Mitchell, Syngenta, UK

13:10 **Voriconazole: From six steps to two**
Dr Adam Burrell, Pfizer Process Development Centre, Ireland

13:50 **Use of continuous process for the production of pharmaceutical products in SK**
Dr Junku Park, SK Biopharmaceuticals, Korea

14:30 **Chemistry at the interface of research and development**
Dr Glyn Hughes, Novartis Institutes for Biomedical Research, UK

15:10 Refreshment break

15:40 **Towards a scalable synthesis of the desoxy-biphenomycin B core**
Dr Joachim Krueger, Bayer Pharma AG, Global Drug Discovery – Chemical Development, Germany

16:20 **Prize for Process Chemistry Research 2013**

17:20 Discussion and close

17:30 Drinks reception sponsored by Johnson Matthey

19:00 Symposium dinner

Programme

Friday 4 April

Chairman: Dr David Lathbury, AMRI Global, UK

09:00 **TBC**
Dr Andy Wells, Chem 21/Charnwood Technical Consulting, UK

09:40 **Application of advanced process control to the design and optimisation of crystallisation processes**
Prof Brian Glennon, University College Dublin, Ireland

10:20 Refreshment break

10:50 **Route and process design for a potent anti-inflammatory drug candidate – fun with catalysis!**
Mr Alan Pettman, Pfizer Chemical Research and Development, UK

11:30 **Utilising Vilsmeier and intramolecular Diels Alder reactions to derive an isoindolone API**
Mr Michael Golden, AstraZeneca, UK

12:10 Close of meeting

Lunch for Friday 4 April can be booked separately in advance (if required) at the registration desk on arrival

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 5 and Thursday 6 December and includes Full English or Continental breakfast plus an evening meal on Wednesday 5 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.

Organising Committee

Dr Louis Diorazio, AstraZeneca, UK
Dr Alan Ironmonger, GlaxoSmithKline, UK
Dr David Lathbury, AMRI Global, UK
Dr Lisa Mitchell, Syngenta, UK
Mr Robert Walton, Pfizer, UK

Please pass this flyer onto a colleague

31st SCI Process Development Symposium

2 - 4 April 2014 @ Churchill College, Cambridge, UK

If you would like to become a member of SCI today, please tick the box below and you can benefit from the SCI discounted member rate on booking this conference.

I would like to become a member of SCI..... Member £90 Student £25

Booking Rate before 31 Jan 2014

Booking Rate after 31 Jan 2014

SCI Member.....£360 SCI Member£485
 Non-Member£390 Non-Member£540
 Subsidised Member.....£255 Subsidised Member.....£280

Accommodation Package

Includes Bed/Breakfast for Wed 2 & Thurs 3 April plus dinner on Wed 2 April

Single Ensuite Room (with private bathroom)..... £176
 Single Standard Room (with shared bathroom)..... £140

Membership number (if applicable).....

Surname First Name.....

Title Mr/Mrs/Dr/Prof/Other..... Position.....

Organisation

Address

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..... Postcode.....

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Special requirements: (dietary/access/other)

SignatureDate

There are 3 ways to pay:

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

Data Protection: The personal information included on this form will be used by SCI only and will not be disclosed to any third parties. Please tick if you do not wish to be sent details of any future similar meetings or other SCI services.

Register online at: www.soci.org/events

Synopsis

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.

Information on SCI

SCI is a forward-looking multidisciplinary membership organisation connecting industry, government and academia to advance the application of science for the benefit of society.

SCI offers a network of contacts spanning the chemical and chemical-using industries, together with a rolling programme of conferences, events and prestigious awards which help further knowledge and support those involved in the sector, no matter what stage they're at in their careers.

SCI is the publisher of many well respected peer-reviewed journals and industry leader Chemistry & Industry magazine (C&I).

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