



Exploring Chemical Space: Synthesising the Drugs of Tomorrow

Wednesday 23 March 2011

SCI HQ, London, UK

Organised by SCI's Fine Chemicals Group



- 10:00** Registration and refreshments
- 10:30** **What should we make next? Ideas from computational studies of aromatic rings in nature and from the lab**
William Pitt, UCB, UK
- 11:15** **Development of synthetic approaches for the systematic exploration of chemical space**
Adam Nelson, University of Leeds, UK
- 12:00** **Design and exploitation of novel medicinal chemistry reagent sets**
Jason Kettle, AstraZeneca, UK
- 12:30** Lunch
- 13:30** **Moving in new circles - exploiting macrocycles for drug discovery**
Nicholas Terrett, Ensemble Therapeutics, Cambridge, USA
- 14:15** **Diversity-oriented synthesis**
David Spring, University of Cambridge, UK
- 15:00** **Medicinally relevant chemical space and consequences for synthesis**
Michael Waring, AstraZeneca, UK
- 15:25** Refreshment break
- 15:50** **The synthetic challenges of accessing new design space**
Nicholas Summerhill, Pfizer, UK
- 16:15** **Design and synthesis of kinase inhibitors using novel heterocyclic systems**
Steven Durrant, Vertex, UK
- 16:40** **Strategies and tactics in the synthesis of natural product-based libraries**
Derek S. Tan, Memorial Sloan-Kettering Cancer Center, NY, USA
- 17:25** Closing remarks
- 17:30** Wine reception

Organisers

Dr Liam Cox, University of Birmingham
Professor Keith Jones, Institute of Cancer Research
Professor Ray Jones, Loughborough University
Dr Sarah Major, Argenta
Dr Nat Monck, Cancer Research Technology



Synopsis

Organic chemistry is dominated by a remarkably small number of molecular scaffolds. Therefore, the exploration of novel chemical space and molecular diversity remains a fundamental task for academic, pharmaceutical, and agrochemical researchers.

A recent analysis of chemical literature demonstrated that many areas of chemical space still remain unexploited, thus accentuating the need for a fresh drive towards finding novel chemical frameworks. A key challenge for chemists involved in pharmaceutical or agrochemical research is to develop new virtual and synthetic methods to enable a more thorough exploration of potentially relevant chemical space.

This meeting will bring together speakers from industry and academia to present the latest approaches towards defining novel biologically active entities, seeding ideas across the synthetic/medicinal chemistry border. There will also be discussions of new synthetic techniques, such as diversity-orientated synthesis, that can be used to exploit previously untapped areas of chemical space and thus aid in the search for the pharmaceuticals and agrochemicals of tomorrow.

5% discounts apply to all SCI conferences by booking online at www.soci.org

Attendees

Information on 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 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

Exploring Chemical Space: Synthesising the Drugs of Tomorrow

23 March 2011 @ SCI HQ, London, 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 £75 Student £15

Please tick appropriate box below

Delegate fee before 23 Feb 2011

Delegate fee after 23 Feb 2011

SCI Member.....	£99 <input type="checkbox"/>	SCIMember.....	£119 <input type="checkbox"/>
Student Member.....	£35 <input type="checkbox"/>	Student Member.....	£42 <input type="checkbox"/>
Subsidised Member.....	£70 <input type="checkbox"/>	Subsidised Member.....	£84 <input type="checkbox"/>
Non-Member.....	£145 <input type="checkbox"/>	Non-Member.....	£174 <input type="checkbox"/>

Online bookings at www.soci.org/events get a 5% discount on the above prices

Membership number:

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 and receive a 5% discount at www.soci.org
2. Cheques made payable to 'SCI' should be drawn in GB£ and enclosed with form
3. Credit Card. Please debit £..... from my Mastercard/ Visa/ Amex (please circle)

Card Expiry Date / Signed.....

Please return completed forms to:

SCI Conference Dept, 14/15 Belgrave Square, London, SW1X 8PS

T: +44 (0) 20 7598 1561; F: +44 (0) 20 7235 7743; E: conferences@soci.org

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 future similar meetings or other SCI services.

Register online at: www.soci.org/events