



# 16th SCI/RSC Medicinal Chemistry Symposium

Sunday 11 - Wednesday 14 September 2011  
Churchill College, Cambridge, 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

**Sunday 11 September**

- 15:00 Registration and refreshments  
18:30 Welcome BBQ

**Monday 12 September**

- 08:55 **Welcome and opening remarks**  
Andrew Williams, Chair, Organising Committee
- 09:00 **Discovery of next generation glucokinase activators**  
Mike Waring, AstraZeneca, UK
- 09:45 **Discovery and development of allosteric AKT inhibitors for the treatment of cancer**  
Phil Sanderson, Merck, USA
- 10:30 Refreshments in marquee & Jock Colville
- 11:00 **Strategies to success- H-PGDS inhibitors for the treatment of inflammatory disorders**  
Sukanthini Thurairatnam, sanofi aventis, USA
- 11:45 **Bromodomains: a new class of epigenetic targets for small molecule drug discovery**  
Ann Walker, GlaxoSmithKline, UK
- 12:30 **Poster Talk I: Development of reversible small molecule inhibitors of the RGS4/Ga. interaction**  
Emma Casey, University of Bath, UK
- 12:45 Lunch (in dining hall, coffee after lunch in marquee)
- 14:00 **Design and optimisation of new MEK inhibitors for the treatment of cancer**  
Robert Heald, Argenta, UK
- 14:45 **Cobicistat: a novel and selective pharmacoenhancer**  
Lianhong Xu, Gilead, USA
- 15:30 Refreshments in marquee & Jock Colville
- 16:00 **Design of liver-targeted Stearoyl Coenzyme-A Desaturase (SCD) inhibitors for the treatment of diabetes**  
Renata Oballa, Xenon Pharma, USA
- 16:45 **Histone methyl transferases as epigenetic targets: inhibitors of SETD7**  
Dafydd Owen, Pfizer, UK
- 17:30 **Poster Talk II: Synthesis and evaluation of a metabolite of anagrelide leads to 3,3-dimethylanagrelide, a phase 2 candidate for thrombosis**  
Richard Scott, NewChem Technologies Ltd., UK
- 17:45 Poster session I and wine reception
- 19:00 College dinner with bar open till 24:00

**Tuesday 13 September**

- 09:00 **GPCR structure based drug design using stabilised receptors (StaRs)**  
Miles Congreve, Heptares, UK
- 09:45 **The discovery and evaluation of PF-3893787: a novel histamine H4 receptor antagonist**  
Nigel Swain, Pfizer, UK
- 10:30 Refreshments in marquee & Jock Colville
- 11:00 **A medicinal chemistry journey from almokalant to AZD7009/ AZD1305 discovery of clinical candidates for treatment of atrial fibrillation**  
Annika Björe, AstraZeneca, Sweden

**Programme**

- 11:45**     **Selective N-type calcium channel blockers for the treatment of pain**  
Ged Giblin, Convergence Pharmaceuticals, UK
- 12:30**     **Malcolm Campbell Award**
- 12:45**     Lunch (in dining hall, coffee after lunch in marquee)
- 14:00**     **The Lilly open innovation drug discovery program: present and future**  
Marta Pineiro-Nunez, Lilly Research Laboratories, USA
- 14:45**     **Cell-based optimization of novel antimalarials from HTS hit**  
Arnab Chatterjee, Genomics Institute of the Novartis Research Foundation, USA
- 15:30**     Refreshments in marquee & Jock Colville
- 16:00**     **SAR and structural biology of NEK kinase inhibitors**  
Swen Hoelder, Cancer Research UK Cancer Therapeutics Unit at The Institute of Cancer Research, UK
- 16:40**     **CPHPC plus anti-SAP antibody: a first in class small molecule/antibody combination to eliminate systemic amyloid deposits**  
Mark Pepys, University College London, UK
- 17:20**     **Now what? The state of drug discovery**  
Derek Lowe, Vertex, USA
- 18:00**     Poster session II and refreshments
- 19:30**     Pimms reception on college lawn
- 20:00**     Conference dinner

**Wednesday 14 September**

- 09:00**     **mGluR2 Positive allosteric modulators**  
Jose Cid, Janssen R&D, Spain
- 09:45**     **Inhalation by design: discovery of slow offset muscarinic M3 receptor antagonists for treatment of COPD**  
David Price, Pfizer, UK
- 10:30**     Refreshments in marquee & Jock Colville
- 11:00**     **Poster Talk III: Inhibitors of the CFTR chloride ion channel as potential treatment for acute secretory diarrhea: development of 5-membered heterocycles suitable for clinical evaluation**  
Kevin Doyle, Biofocus, UK
- 11:15**     **Discovery of muscarinic acetylcholine receptor antagonist and beta 2 adrenoceptor agonist (MABA) dual pharmacology molecules**  
Adam Hughes, Theravance, UK
- 12:00**     **Kynurenine Aminotransferase II Inhibitors; a novel approach to the treatment of Schizophrenia**  
Jaclyn Henderson, Pfizer PharmaTherapeutics R&D, USA
- 12:45**     Lunch (in dining hall, coffee after lunch in marquee)
- 14:00**     **Small molecule TLR7 agonists for the treatment of HCV**  
David Pryde, Pfizer, UK
- 14:30**     **Structure-based studies on the inhibitors of bacterial type IIA topoisomerases**  
Ben Bax, GlaxoSmithKline, UK
- 15:00**     **Finding the Gini: brain penetrant kinase inhibitors for the treatment of neurodegenerative diseases**  
Piotr Graczyk, Eisai, UK
- 15:30**     **Beyond rule of 5 drug design**  
Michael Shapiro, Pfizer, UK
- 16:00**     Closing remarks

## Synopsis

The 16th SCI-RSC Medicinal Chemistry Symposium, Europe's premier biennial Medicinal Chemistry event.

The 16th SCI-RSC Medicinal Chemistry Symposium will focus on first disclosures and new strategies in medicinal chemistry. Reflecting current trends in medicinal chemistry and pharmaceutical research, the theme of the conference will be *The Path Forward: Collaboration or Competition?* The scientific programme features lectures on Enzyme Inhibitors, Ligands for Receptors and Ion Channels plus a Hot Topic late breaker session. In addition the meeting has a number of talks addressing key Enabling Processes and Technologies for the future of Medicinal Chemistry. There will also be Poster Sessions with a number of posters selected for short talks.

## Call for Posters

Contributions from the whole field of medicinal chemistry are invited. Please submit A4 abstracts of your poster presentation to [jacqui.colgate@soci.org](mailto:jacqui.colgate@soci.org) and indicate whether you are willing to be upgraded to a poster talk. **Deadline for submissions: extended to 29 July 2011.**

## Attendees

This conference will be of interest to both academic and industrial scientists engaged in all aspects of the drug discovery and development process. It aims to showcase first disclosures of significant new therapeutic agents across all disease areas, and provide a forum for discussion of current topics and thinking at the forefront of medicinal chemistry.

## Bursaries

SCI and RSC are pleased to offer complimentary registration to SCI and RSC member students. To apply for a student bursary, please email [jacqui.colgate@soci.org](mailto:jacqui.colgate@soci.org). Bursaries will be allocated on a first come, first served basis.

## 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.colgate@soci.org](mailto:jacqui.colgate@soci.org).

## Information on SCI/RSC

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](http://www.soci.org/membership)

The RSC is the largest organisation in Europe for advancing the chemical sciences. Membership of the RSC, the learned society and professional body for the chemical sciences, is a huge credit to your career. Keep up to date with the chemical sciences, support your subject and profession, and take advantage of our range of benefits that reflect your individual interests.



## Venue

Churchill College is one of 31 Colleges that comprise 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](http://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 of 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 3 nights: Sunday 11, Monday 12 and Tuesday 13 September. Monday and Tuesday includes Full English or Continental breakfast, the BBQ on Sunday evening, an evening meal on Monday and the Conference dinner on Tuesday. 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](http://www.visitcambridge.org)

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

## Organisers

Urs Baettig, Novartis Institute For Biomedical Research, UK  
Phil Newhouse Jones, MSD, UK  
Gordon Saxty, Astex-Therapeutics, UK  
Alan Stobie, Pfizer, UK  
Chris Swain, Cambridge Medchem Consulting, UK  
Steve Swallow, AstraZeneca, UK  
Andrew Williams, Lilly, UK  
Dave Witty, Convergence Pharmaceuticals, UK

### **SCI Supports:**



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

## 16th SCI/RSC Medicinal Chemistry Symposium

11 - 14 September 2011 @ 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 £75  Student £15

If you would like to become a member of the RSC to benefit from the rates below, please see their website at [www.rsc.org/membership](http://www.rsc.org/membership).

*Please tick appropriate box below*

### Early Bird Rate before 11 Aug 2011

SCI/RSC Member.....£350

Non-Member.....£440

Subsidised/Student Member.....£175

### Booking Rate after 11 Aug 2011

SCI/RSC Member.....£420

Non-Member .....£528

Subsidised/Student Member.....£210

**Online bookings at [www.soci.org/events](http://www.soci.org/events) get a 5% discount on the above prices**

### Accommodation Package (non residents can book for social events online)

(See back of flyer for further information)

Single Ensuite Room (with private bathroom)..... £300

Single Standard Room (with shared bathroom).....£255

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 and receive a 5% discount at [www.soci.org/events](http://www.soci.org/events)

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)

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](mailto: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 the 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](http://www.soci.org/events)