

**15<sup>th</sup> RSC-SCI  
Medicinal Chemistry Symposium**

**6-9 September 2009  
Churchill College, Cambridge, UK**

**FINAL CIRCULAR and APPLICATION FORM**



**RSC** | Advancing the  
Chemical Sciences



## Introduction

The organisers cordially invite you to participate in the 15th RSC-SCI Medicinal Chemistry Symposium, a major biennial event in the field of Medicinal Chemistry. This year, reflecting the present climate in pharmaceutical research, the theme of the conference will be **Refining Drug Discovery: Evolution or Revolution!** Held at Churchill College Cambridge, UK, this meeting has become synonymous with excellent scientific discussion and enjoyable social discourse. The organisers hope you will accept their invitation to participate in this international symposium.

## Programme

### Sunday 6 September

- 15.00 Registration Desk open until 18.30
- 17.00 Tea
- 18.30 Welcome Barbecue and Reception (College residents and ticket holders)

### Monday 7 September

- 08.55 Welcome and Opening Remarks  
**David Witty, GlaxoSmithKline** (Chair of the Organising Committee)

### Enzyme Inhibitors

Chair: **Chris Swain, Cambridge Medchem Consulting**

- 09.00 The identification of selective p38 inhibitors with high blood potency suitable for clinical development  
**Vipul Patel, GlaxoSmithKline, UK**
- 09.45 Progressing carboxylic acid leads as PDE7 inhibitors  
**Nigel Swain, Pfizer GRD, UK**
- 10.30 Coffee
- 11.00 Calcilytics – A treatment for established osteoporosis  
**Leo Wilder, Novartis Institutes for BioMedical Research, Switzerland**
- 11.45 Potent, non-peptidic, orally-active Renin inhibitors  
**Olivier Bezençon, Actelion, Switzerland**
- 12.30 Poster talk 1
- 12.45 Lunch
- Chair: **Urs Baettig, Novartis Institutes for BioMedical Research**
- 14.00 Non-nucleoside inhibitors for the treatment of hepatitis C virus infection  
**Frank Narjes, Merck Sharp & Dohme, Italy**
- 14.45 Discovery of polymerase inhibitors for the treatment of Dengue Fever: A showcase of modern drug discovery in tropical diseases  
**Zheng Yin, Novartis Institute for Tropical Diseases, Singapore**

- 15.30 Tea
- 16.00 A multivalent approach to drug discovery for novel antibiotics: Clinical compound TD-1792  
**Daniel D Long, Theravance, USA**
- 16.45 Inhibitors of GSK-3 kinase for the treatment of neurodegenerative diseases  
**Juan-Miguel Jimenez, Vertex, UK**
- 17.30 Poster talk 2
- 17.45 Poster Session 1 and Wine Reception
- 19.00 Dinner for College residents and ticket holders

## **Tuesday 8 September**

### **Receptor / Ion Channels**

Chair: **Andrew Williams, Eli Lilly and Company**

- 09.00 Medicinal chemistry and biology of E2007, an orally active AMPA receptor antagonist for neurological disorders  
**Koichi Ito, Eisai, Japan**
- 09.45 MC4 agonists for the treatment of sexual dysfunction  
**Mark Lansdell, Pfizer GRD, UK**
- 10.30 Coffee
- 11.00 Presentation, RSC BMCS 2009 Malcolm Campbell Award
- 11.15 Next generation NK1 antagonists for next generation applications  
**Robert DeVita, Merck & Co, USA**
- 12.00 Discovery of potent and selective non-steroidal glucocorticoid receptor agonists  
**David House, GlaxoSmithKline, UK**
- 12.45 Lunch
- Chair: **Alan Stobie, Pfizer GRD**
- 14.00 Antitussive profile of the NOP agonist SCH 486757  
**Deen Tulshian, Schering-Plough, USA**
- 14.45 Identification and optimisation of triazole oxytocin antagonists, leading to a clinical candidate  
**Alan Brown, Pfizer GRD, UK**
- 15.30 Tea
- 16.00 Synthesis and pharmacological evaluation of novel GABA<sub>B</sub> receptor agonists as gastroesophageal reflux inhibitors  
**Thomas Elebring, AstraZeneca, Sweden**
- 16.45 The discovery of novel muscarinic M1 receptor agonists for treatment of CNS disorders  
**Vincenzo Garzya, GlaxoSmithKline, UK**

- 17.30 Poster talk 3
- 17.45 Poster Session 2
- 19.30 Reception
- 20.00 Conference Dinner and Entertainment for College residents and ticket holders

### **Wednesday 9 September**

#### **Refining Drug Discovery: Evolution or Revolution!**

Chair: **Steve Swallow, AstraZeneca**

- 09.00 Biophysical techniques in drug design – A medicinal chemistry perspective  
**Mark Bunnage, Pfizer GRD, UK**
- 09.35 Privileged structures in drug discovery  
**Klaus Müller, F Hoffmann-La Roche, Switzerland**
- 10.10 Lean thinking in medicinal chemistry  
**Craig Johnstone, AstraZeneca, UK**
- 10.45 Coffee
- 11.15 CarboCarrier™: A novel technology to extend the half-life of small proteins and peptides  
**Martin de Kort, Schering-Plough, The Netherlands**
- 11.50 An analysis of physicochemical drug properties associated with in vivo toxicological outcomes  
**Simon Bailey, Pfizer GRD, USA**
- 12.25 Lunch

#### **New Topics in Drug Research**

Chair: **Phil Jones, Schering-Plough**

- 14.00 Indole-carboxylic acid amides as novel CETP inhibitors: From hit to clinical candidate  
**Philippe Pflieger, F Hoffmann-La Roche, Switzerland**
- 14.30 Design, synthesis and discovery of the first NO- and Haem-independent sGC activator BAY 58-2667 for the treatment of acute decompensated heart failure  
**Michael G Hahn, Bayer Healthcare, Germany**
- 15.00 Targeting the metabolic syndrome through inhibitors of 11beta-hydroxysteroid dehydrogenase Type 1  
**Eric Valeur, Merck-Serono, France**
- 15.30 Optimization of hydroxamate based HDAC inhibitors  
**Michael Shultz, Novartis, USA**
- 16.00 Closing remarks  
**David Witty, GlaxoSmithKline**

## Posters

Posters are seen as an important part of the symposium with poster sessions specifically on Monday and Tuesday evenings. Contributions are invited from the whole field of medicinal chemistry. Three posters will be selected for presentation as short talks on the basis of the abstracts submitted. All abstracts must be no more than one A4 page of 12pt Ariel font and be submitted as a Word document by **Friday 22 May** to [esw@confsec.co.uk](mailto:esw@confsec.co.uk) for consideration by the Organisers. Decisions will be notified after 5 June. If accepted, posters should be prepared as A0 format in portrait mode (841mm wide by 1189mm high). A number of places will be reserved for those presenting posters. Please indicate on the application form if you intend to submit an abstract.

## Exhibition

An exhibition will be held alongside the Symposium. Companies interested in taking part should contact Conference Secretariat, email; [esw@confsec.co.uk](mailto:esw@confsec.co.uk)

## Publication

Abstracts of lectures and posters will be available to registered participants at the Symposium. Full proceedings and slides will not be published.

## Venue and travel

Churchill College is 15 minutes 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 colleges and places of interest. Further information about Cambridge and booking hotel accommodation can be found on the website: [www.visitcambridge.org](http://www.visitcambridge.org) 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, journey time around 1 hour. 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. Further travel advice will be sent to registered participants in August.

## Accommodation and Meals

Single, en-suite, student rooms are available in Churchill College and in the adjacent Murray Edwards College (5 minutes' walk). These rooms have their own shower and toilet. Applications for en-suite rooms will be allocated first to Churchill College and then, when this is full, to Murray Edwards College. There are also standard rooms in Churchill College which have a washbasin but share bath and toilet facilities with up to 5 adjacent rooms.

The accommodation package is for Sunday 6, Monday 7 and Tuesday 8 September inclusive, and includes breakfast, evening meals and social events. The cost is £304 for an en-suite room and £257 for standard. Additional nights' accommodation can be reserved for Saturday 5 and/or Wednesday 9 September, see the application form.

Non-residents can also order tickets for evening meals and social events.

## **Application and Fees**

The meeting is usually fully-subscribed. Early application is advised as capacity is limited by the size of the lecture theatre and acceptance is on a first-come-first-served basis. Applications will be acknowledged within two weeks, please enquire if you do not receive this as your application may not have been received. The meeting is exempt from VAT. The fees include attendance at the scientific sessions, the book of abstracts, lunches and refreshments. In the event of space still being available, late applications after **Friday 24 July** will incur a surcharge of £35.

Cancellations notified in writing before Friday 3 July will receive a full refund. Between 3 July and 24 July refunds will be 80%, thereafter no refunds can be made. Substitutions are allowed at any time. If necessary, the organisers reserve the right to alter the content of the programme and cancel or postpone the meeting without notice and without liability to registered delegates other than the return of fees in the event of complete cancellation.

## **Bursaries**

The RSC and the SCI are able to offer a number of bursaries for full-time postgraduate students. Preference will be given to members and to those offering posters. The bursaries are worth up to £400 towards registration, accommodation and travel costs. Further information is available from the Secretariat, [esw@confsec.co.uk](mailto:esw@confsec.co.uk), and the closing date will be **22 May**.

The RSC Discover Chemistry Programme is offering travel bursaries to UK academics for attendance at this conference, which will help to broaden their knowledge and expertise and assist them to incorporate the learning into their own research and training activities. Further details can be found at [www.rsc.org/Education/DiscoverChemistry/AcademicCPD.asp](http://www.rsc.org/Education/DiscoverChemistry/AcademicCPD.asp)

## **Organising Committee**

The Symposium is organised jointly by the RSC Biological and Medicinal Chemistry Sector and the SCI Fine Chemicals Group.

David Witty, GlaxoSmithKline, Hon. Chair  
Urs Baettig, Novartis, Hon. Secretary  
Phil Jones, Schering-Plough, Hon. Treasurer  
Alan Stobie, Pfizer GRD  
Chris Swain, Cambridge MedChem Consulting  
Steve Swallow, AstraZeneca  
Andrew Williams, Eli Lilly

## **Secretariat**

Elaine Wellingham, Conference Secretariat  
Tel and Fax: +44 (0)1275 853311, email: [esw@confsec.co.uk](mailto:esw@confsec.co.uk)

**15<sup>th</sup> RSC-SCI Medicinal Chemistry Symposium  
6-9 September 2009, Cambridge**

**Application Form**

This form should be completed clearly and returned with your remittance to:  
Conference Secretariat, Field End House, Bude Close, Nailsea, Bristol BS48 2FQ.  
Fax: +44 (0)1275 853311. Email: esw@confsec.co.uk.

Title (Prof, Dr etc): .....

First Name: .....Last (Family) Name:.....

Organisation: .....

Address: .....

.....

.....Postcode.....

E-mail: (for acknowledgement and List of Participants)

.....

Tel and Fax (for contact by us) .....

**Special needs:** Please inform us in advance of any dietary requirements, access or other facilities which may be required.

.....

**Posters:** Please tick the box if you intend to submit a poster abstract by **22 May**

**Registration Fee**

Please tick as appropriate

RSC or SCI members	£300	<input type="checkbox"/>
Non-members	£380	<input type="checkbox"/>
Student or retired members (limited places)	£150	<input type="checkbox"/>
Non-member students (limited places)	£190	<input type="checkbox"/>
<b>Add Late Booking fee after 24 July</b>	<b>£35</b>	<input type="checkbox"/>

**Accommodation Package**

Bed and Breakfast, evening meals and social events

Nights of 6, 7 and 8 September	En-suite	£304	<input type="checkbox"/>
	OR Standard	£257	<input type="checkbox"/>

**Extra nights B & B:** Saturday 5 September En-suite £64, Standard £49   
Wednesday 9 September En-suite £64, Standard £49

**Evening Meal tickets for non-residents:** Barbecue, 6 September £30   
College dinner, 7 September £35   
Conference Dinner, 8 September £50

**TOTAL**

Payment information is overleaf.

SIGNED .....DATE .....

**15<sup>th</sup> RSC-SCI Medicinal Chemistry Symposium  
6-9 September 2009, Cambridge**

**Payment Methods**

**1. Cheque**

I enclose a cheque payable to **RSC-BMCS** for £ .....

**2. Bank Transfer**

Payments can be made by BACS, please contact Conference Secretariat for the details. All charges must be paid by the sender. **Include the delegate name as the reference** in the instruction and send a copy with the application form.

**3. Credit Card**

Please charge my MASTERCARD, VISA or AMEX card for

£ .....

Card No: \_ \_ \_ \_ \_

Expiry Date: \_ \_ / \_ \_      Card Security Code \_ \_ \_ \_

The Security Code is the last three digits on the signature strip (or 4 digits on the front of AMEX cards).

Cardholder's signature .....

Cardholder's name (please print) .....

Cardholder's billing address (if different to overleaf)

.....

.....

.....Postcode .....

DATA PROTECTION: The information you supply will be used for the administration of the meeting. A List of Participant names and email addresses will be distributed at the conference. If you DO NOT wish your address to be included, please tick the box.