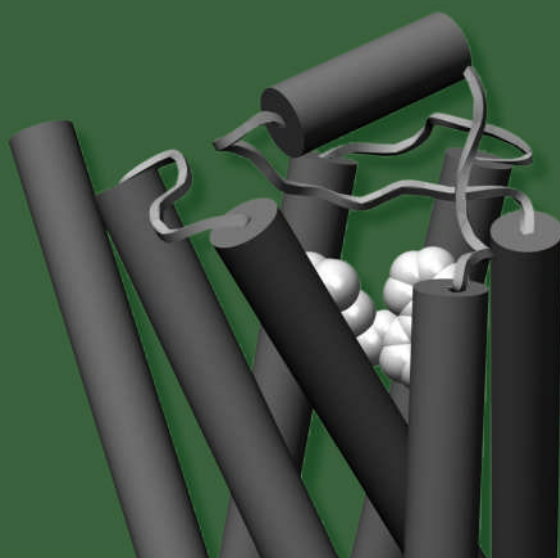


2nd RSC / SCI Symposium GPCRs in Medicinal Chemistry

8 - 10 September 2008
AstraZeneca, Gothenburg, Sweden
Programme and Registration Form



RSC | Advancing the
Chemical Sciences



2nd RSC-SCI Symposium on GPCRs in Medicinal Chemistry **8-10 September 2008, Gothenburg**

Introduction

G-protein-coupled receptors (GPCRs) play a crucial role in transmitting chemical signals from hormones and neurotransmitters across cell membranes and converting them into cellular responses. These drive processes as diverse as cell development and proliferation, neuromodulation, metabolic disorders, inflammation, and viral infection. As such, they are involved in many diseases and continue to represent the target of a large proportion of all modern medicinal drugs. This meeting follows the success of the first symposium held in Verona (September 2006) and is the perfect opportunity to discuss the latest ideas and developments in drug discovery with leading academic and industrial scientists.

Programme

Monday 8 September

09.00	Registration and Coffee
09.25	Introduction Caroline Low (Imperial College London)
Session 1	Chair: Peter Warner (AstraZeneca Mölndal)
09.30	Structural basis for positive versus negative efficacy of ligands in 7TM receptors - medicinal chemistry meets molecular pharmacology Thue Schwartz (7TM Pharma and University of Copenhagen, Denmark)
10.15	Structure and dynamics of the human β_2 adrenoceptor Brian Kobilka (Stanford University, USA)
11.00	Coffee
11.30	A journey from agonists to inverse agonists of the histamine H3 receptor Frédéric Denonne (UCB, Belgium)
12.15	Challenges in the optimisation of dual histamine H1/H3 antagonists Simon Hodgson (GlaxoSmithKline, UK)
13.00	Lunch
Session 2	Chair: Martin Owton (Lilly)
14.00	The discovery of MK-0974, an orally active calcitonin gene-related peptide (CGRP) receptor antagonist for the treatment of migraine Theresa Williams (Merck, USA)
14.45	SOM230: From drug discovery to superior tumor therapy Ian Lewis (Novartis, Switzerland)
15.30	Tea

- 16.00 Discovery of new, drug-like V1a antagonists: Lead optimisation as a journey through physico-chemical property space
Thomas Ryckmans (Pfizer, UK)
- 16.45 Poster session and wine reception
- Close of session

Tuesday 9 September

Session 3 Chair: Anders Karlén (Uppsala University)

- 09.00 Activation and allosteric modulation of metabotropic glutamate and GABA receptors
Jean-Philippe Pin (Montpellier, France)
- 09.45 Allosteric modulation of GPCRs
Jean-Philippe Rocher (Addex Pharmaceuticals, Switzerland)
- 10.30 Coffee
- 11.00 A 'fast' track to atypicality - The discovery of JNJ37822681 for the treatment of schizophrenia
Gregor Macdonald (Johnson & Johnson, Belgium)
- 11.45 An industrialized discovery engine that provides a wealth of novel chemistries for GPCR targets and validates their clinical relevance
Uli Hacksell (Acadia Pharmaceuticals, USA)
- 12.30 Lunch

Session 4 Chair: Tom Heightman (GlaxoSmithKline)

- 13.30 Discovery and pharmacological evaluation of agonists of the orphan receptor GDIR (GPR119)
Graeme Semple (Arena Pharmaceuticals, USA)
- 14.15 The discovery of orally-bioavailable Ghrelin receptor agonists for the treatment of functional bowel disorders
Jason Witherington (GlaxoSmithKline, UK)
- 15.00 Tea
- 15.30 Orally available, peripherally restricted CB1 agonists as novel analgesics
Mirek Tomaszewski (AstraZeneca, Canada)
- 16.15 The discovery of novel CB1 receptor antagonists
Phil Cowley (Organon, Schering Plough Corporation, UK)
- 17.00 Close of session
- 19.30 Conference Dinner, River Café

Wednesday 10 September

Session 5	Chair: Angus MacLeod (BioFocus DPI)
09.00	Predicting off-target effects and polypharmacology Brian Shoichet (UCSF, California, USA)
09.45	Chemical tractability of the GPCR protein family Udo Bauer (AstraZeneca Mölndal, Sweden)
10.30	Coffee
11.00	Development of 5-HT ₆ receptor antagonists Peter Brandt (Biovitrum, Sweden)
11.45	Discovery of novel adenosine A _{2A} receptor antagonists for the treatment of Parkinson's disease Andy Stamford (Schering-Plough, USA)
12.30	Closing remarks Caroline Low (Imperial College London)

Posters

Offers of posters are invited for display throughout the meeting and presentation at the session on Monday afternoon. Please send a one-page abstract as a Word document for consideration by the organisers. Abstracts should reach the Secretariat by **9 June**. Full details of poster size will be sent to those accepted for presentation.

Venue and Travel

A warm invitation to Göteborg

Göteborg was founded almost 400 years ago, an important west coast port with the largest harbour in Scandinavia. Trading flourished from the eighteenth century and today the city has around 500,000 inhabitants and large companies such as AstraZeneca, Volvo, SKF and SCA.

One of Sweden's beautiful archipelagos is to be found just outside the river mouth. Some of the highlights in the town are the famous Liseberg amusement park, the Art museum with the best of Swedish and Scandinavian art and the wonderful Botanical Garden with plants from around the world. An extra attraction is that September is the start of the best season for seafood.

Travel

Gothenburg has links to many European cities by air and rail. There are two international airports: Gothenburg-Landvetter is served mostly by scheduled airlines and Gothenburg City S  ve by low-cost carriers such as Ryanair and Air Berlin. Both are around 30 minutes by airport bus from the city centre.

The conference is being hosted by AstraZeneca M  lndal. Transport will be provided from the centre of Gothenburg to and from the site each day. Further information on times will be sent in the arrival information shortly before the conference.

Accommodation

Delegates are responsible for their own accommodation bookings. Arrangements have been made with Gerle DMC who have reserved rooms in hotels at different price levels in central Gothenburg. Please contact:

Britt-Marie Thorsson (Email: britt-marie@gerledmc.se)
Gerle DMC AB,   renprisgatan 3, S-416 52 G  teborg, Sweden
Phone: +46 31 197080, Fax: +46 31 211562

Social Events

On Monday 8 September there will be a wine reception to accompany the posters at the end of the afternoon session. The Conference Dinner on Tuesday 9 September will be held at a water-side restaurant with transport provided. Both events are included in the registration fee.

Exhibition

There are opportunities for a small number of companies to take part with exhibition stands in the refreshment area. Please contact the Secretariat for further information.

Application and Fees

Application should be made on the attached form or a photocopy. The fees include attendance at the sessions, lunches and refreshments, the social events and abstracts. VAT is not charged.

The registration fees are as below. 'Members' refers to delegates who are members of any of the Royal Society of Chemistry, the Society of Chemical Industry or the Swedish Academy of Pharmaceutical Sciences.

Members	��270
Non-members	��350
Student members	��125
Student non-members	��150

A late application fee of   30 will apply to forms sent after **8 August 2008**.

Cancellations received in writing up to 8 August will be subject to a 20% administration charge. Refunds cannot be made after this date although substitutions are possible at any time. The Organisers reserve the right to alter the programme if unforeseen circumstances make this necessary. In the unlikely event of complete cancellation of the conference, there will be no liability other than the return of fees already paid.

Payment can be made by sterling cheque, bank transfer or credit card. Please see the instructions on the reverse of the application form. Acknowledgement will be sent within 14 days of receipt and arrival information will be sent to registered participants around 3 weeks before the meeting. We will use email for these communications so please ensure your address is written clearly on the application form.

Student Bursaries

The RSC BMCS has a small number of bursaries available for students. Preference will be given to RSC members and the bursaries are worth £200. Student members of SCI should consult www.soci.org for bursary opportunities.

Sponsors

The organisers are grateful to AstraZeneca for generous support in hosting this meeting.

Organisers

SCI Fine Chemicals Panel
RSC Biological and Medicinal Chemistry Sector
Swedish Academy of Pharmaceutical Sciences

Committee

Dr Caroline Low (Imperial College)
Dr Becky Butler (Novartis)
Dr Steve East (Evotec UK)
Dr Tom Heightman (GlaxoSmithKline)
Dr Anders Karlén (Uppsala University)
Dr Angus MacLeod (BioFocus DPI)
Ms Lena Mattsson (AstraZeneca Mölndal)
Dr Martin Owton (Lilly)
Dr Peter Warner (AstraZeneca Mölndal)
Ms Elaine Wellingham (Conference Secretariat)

Secretariat

Conference Secretariat
Field End House, Bude Close, Nailsea, Bristol BS48 2FQ, UK
Tel and Fax: +44 (0)1275 853311
Email: esw@confsec.co.uk
www.confsec.co.uk

GPCRs in Medicinal Chemistry 2
8-10 September 2008, Gothenburg, Sweden

APPLICATION FORM

Please note that a late application fee applies after 8 August.

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.

.....

Registration Fee

Please tick as appropriate.

Members	£270
Non-members	£350
Student members	£125
Non-member students	£150

Add Late Booking fee after 8 August £30

TOTAL

Payment information is overleaf.

SIGNEDDATE

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.

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.

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. ☐