



19th RSC / SCI Medicinal Chemistry Symposium

10th-13th September 2017

Churchill College, Cambridge, UK



ROYAL SOCIETY
OF CHEMISTRY

BIOLOGICAL AND
MEDICINAL
CHEMISTRY
SECTOR



SCI

where science meets business

Organised by the Royal Society of Chemistry's Biological and Medicinal Chemistry Sector,
and the Society of Chemical Industry's Fine Chemicals Group

Additional Information

Overview

The organisers invite you to the 19th RSC / SCI Medicinal Chemistry symposium, Europe's premier biennial Medicinal Chemistry event, focusing on first disclosures and new strategies in medicinal chemistry.

Call for Posters

Contributions from the whole field of medicinal chemistry are invited. Flash presentation sessions are planned which will involve a two-minute presentation of poster highlights. Poster abstract submissions should be sent to the secretariat by 16th April if you wish to take advantage of the early-bird registration fee and indicate whether or not you would like to be included for consideration in the flash presentation session. The final deadline for submission of posters is 21st July.

Who should attend

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.

Registration	To 30/4/17	1/5 - 14/8/17	15/8/17 onwards
RSC and SCI members	£390	£465	£515
Non-members	£480	£570	£620
Student* member	£215	£255	£305

Fixed rate items

Barbecue on Sunday, 10 th September	£30
Dinner on Monday, 11 th September	£50
Gala dinner on Tuesday, 12 th September	£71
Accommodation package** - shared bathroom	£375
Accommodation package** - en suite bathroom	£430
Accommodation package** - superior room, en suite bathroom	£480

* Student is an undergraduate or post-graduate, not a post-doc

** Accommodation package includes three nights' bed, breakfast, and dinners (Sunday barbecue, Monday dinner, Tuesday gala dinner, and associated drinks receptions)

Students and Bursaries

Discounted rates are available to RSC and SCI student members, and some student bursaries are available. Applications are invited from PhD and post-doctoral students studying at European academic institutions, preferably members of the RSC, SCI or EFMC. Those submitting abstracts for poster presentation will be favoured. To apply for a student bursary, please complete and return the bursary application form by 21st July.

Exhibition Opportunities

The exhibition will run alongside the conference during refreshment breaks and poster sessions. Those who wish to exhibit should book early to avoid disappointment. Exhibition stands may be booked online or via the registration form, and the rate includes two stand staff and daytime refreshments.

Sponsorship

Please contact the secretariat for details of sponsorship opportunities. We are grateful to our confirmed sponsors: Merck, AstraZeneca, Vertex, GlaxoSmithKline and Evotec.

General Information

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.

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 to Cambridge (one change).

Accommodation

Three accommodation options are offered at Churchill College: a single study bedroom with shared bathroom, a standard single study bedroom with en-suite bathroom, and a superior single study bedroom with en-suite bathroom. Rooms will be allocated on a "first come, first served" basis.

The Accommodation Package is for three nights' accommodation, Sunday to Tuesday, 10th to 13th September inclusive. This includes full breakfast on Monday to Wednesday, the barbecue on Sunday evening, an evening meal on Monday, and the Gala dinner at St John's on Tuesday. Bedrooms will be available from 2 pm on the day of arrival, and rooms must be vacated by 10 am on the day of departure. Luggage storage will be available. Those not wishing to stay at Churchill, may make alternative direct bookings via www.visitcambridge.org.

Dinners

The barbecue (Sunday), dinner (Monday), and Gala dinner (Tuesday) are all included in the Accommodation Package for those who are resident at Churchill College. Non-resident delegates may book all of these dinners when registering. The closing date for booking dinners is 3rd September.

The Gala dinner will be held in the magnificent 16th Century Hall at St John's College, a short walk from Churchill. Pre-dinner drinks will be held either on the Backs Lawn or in the Cloisters, before walking over the Bridge of Sighs to the impressive dining hall.

Secretariat Contact

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Organising Committee

Nadia Ahmad (Treasurer)	Vertex
Mark Healy	Novartis
Sarah Major	Evotec
Simon Peace	GlaxoSmithKline
Gordon Saxty	Fidelta
Iain Simpson	AstraZeneca
Chris Swain	Consultant
Nigel Swain (Chair)	Heptares
Andrew Williams	Eli Lilly

Website: www.maggichurchousevents.co.uk/bmcs
Also www.rsc.org/bmcs and www.soci.org/events

Programme

Sunday, 10th September

- 13:30 Medicinal chemistry workshop (signed-up early-career delegates only)
- 15:00 Registration and refreshments
- 18:30 Welcome barbecue

Monday, 11th September

- 08:50 Welcome and opening remarks
- 09:00 *Discovery of LJN452, a highly potent, non-bile acid FXR agonist for the treatment of cholestasis and NASH*
David Tully, Novartis, USA
- 09:40 *Discovery of JNJ55375515 - an mGlu2 NAM for the treatment of neuropsychiatric disorders*
Michiel Van Gool, Janssen, Spain
- 10:10 *GOAT (Ghrelin O-Acyl Transferase) inhibitors for obesity and metabolic disease (tbc)*
Maria Angeles Martinez-Grau, Eli Lilly, Spain
- 10:40 Refreshments in the marquee
- 11:10 *Discovery of novel hedgehog pathway modulators using network pharmacology approach*
Sree Vadlamudi, eTherapeutics, UK
- 11:40 *Discovery of potent cyclophilin inhibitors based on structural simplification of Sanglifehrin A*
Victoria Steadman, Selcia, UK
- 12:10 *Development of highly-specific "Alubinders" as a platform for half-life extension*
Julien Vantourout, GlaxoSmithKline and University of Strathclyde, UK
- 12:40 Malcolm Campbell Memorial Prize presentation
- 12:50 Lunch in the dining hall, refreshments in the marquee
- 14:00 *Spinal muscular atrophy: advancing small molecule splicing modulators from phenotypic screen to clinic*
Atwood Cheung, Novartis, USA
- 14:40 *Discovery of BLU-554: a potent and highly selective covalent inhibitor of fibroblast growth factor receptor 4 (FGFR4) for the targeted treatment of advanced hepatocellular carcinoma (HCC)*
Chandra V Miduturu, Blueprint, USA
- 15:20 Refreshments in the marquee
- 15:50 *Discovery of AZD5991: a potent and selective macrocyclic inhibitor of Mcl-1*
Alex Hird, AstraZeneca, USA
- 16:30 *Discovery of small molecule inhibitors of PCSK9*
David Piotrowski, Pfizer, USA
- 17:10 *Discovery and structure-based optimisation of a new class of highly selective UCHL1 inhibitors*
Mark Kemp, Mission Therapeutics, UK
- 17:40 Flash poster presentations
- 18:00 Poster session I and refreshments in the marquee
- 19:30 College dinner with bar open until midnight

Tuesday, 12th September

- 08:30 *Discovery and first structural disclosure of an oral GnRH receptor antagonist and its characterization in vitro, in animals and humans*
Olaf Panknin, Bayer, Germany
- 09:10 *Measuring solution conformations of small molecules for better molecular design AstraZeneca case studies*
Elisabetta Chiarparin, AstraZeneca, UK
- 09:40 *Discovery and development of plasma kallikrein inhibitors*
D Michael Evans, KalVista, UK
- 10:20 Refreshments in the marquee
- 10:50 *The discovery and development of novel small molecule modulators of TNF signalling*
Dan Brookings, UCB Pharma, UK
- 11:20 *Discovery and characterization of antibody-drug conjugates with a novel mode of action*
Cristina Nieto-Oberhuber, Novartis, Switzerland
- 11:50 *Discovery adventures with integrin inhibitors*
Simon Macdonald, GlaxoSmithKline, UK
- 12:20 Lunch in the dining hall, refreshments in the marquee
- New for 2017 - Live Webcast Session on Neglected Tropical Diseases**
- 13.30 *Introduction to the Neglected Tropical Diseases (NTD) session*
Kelly Chibale, University of Capetown, South Africa
- 13:40 *PI4K inhibitors that target multiple life cycle stages of the human malaria parasite*
Kelly Chibale, University of Capetown, South Africa
- 14:10 *Discovery and characterization of ACT-451840: an antimalarial drug with a novel mechanism of action*
Christoph Boss, Actelion, Switzerland
- 14:40 Refreshments in the marquee
- 15:10 *Rapid discovery of non-covalent inhibitors of DprE1, a novel and exciting target to treat Mycobacterium tuberculosis: impact of medicinal chemistry on an open source collaboration*
Rob Young, GlaxoSmithKline, UK
- 15:40 *Potent, selective and orally efficacious inhibitors of Plasmodium falciparum Protein Kinase G (PfPKG)*
Jon Large, Medical Research Council Technology, UK
- 16:10 *First disclosure of a new oral development candidate for the treatment of visceral and cutaneous leishmaniasis*
Charlie Mowbray, DNDi Drugs for Neglected Diseases initiative, Switzerland
- 16:40 *Closing remarks for NTD session*
Charlie Mowbray, DNDi, Switzerland
- 16:50 Flash poster presentations
- 17:10 Poster session II and refreshments in the marquee
- 18:45 Walk to St John's College
- 19:00 Drinks reception
- 19:45 Gala dinner at St John's College

Wednesday, 13th September

- 09:00 *Discovery of pan genotypic HCV protease inhibitor voxilaprevir (GS-9857)*
James Taylor, Gilead, USA
- 09:40 *Discovery of a novel CXCR4 antagonist*
Peter Richardson, Proximagen, UK
- 10:10 *Piperidinobenzyl sulfonamide derivatives as Acyl CoA:monoacylglycerol acyltransferase 2 inhibitors: identification of a clinical candidate molecule*
Rosario González, Eli Lilly, Spain
- 10:40 Refreshments in the marquee
- 11:10 *ASTX-660, the first fragment-derived IAP antagonist in the clinic*
Gianni Chessari, Astex, UK
- 11:50 *Inhaled JAK inhibitors - from leads with novel binding modes to clinical compounds*
Peter Jones, Pfizer, USA
- 12:20 *The discovery of AZD0284, a novel, orally bioavailable inverse agonist of the nuclear receptor RORgamma*
Frank Narjes, AstraZeneca, Sweden
- 13:00 Lunch in the dining hall, refreshments in the marquee
- 14:10 *Collaboration makes us better: E309series as a novel class of antileishmanials*
Maria Marco, GlaxoSmithKline, Spain, and University of Dundee, UK
- 14:50 *A multi-pronged approach to targeting GPR40 for diabetes*
Jennifer Johnston, Merck, USA
- 15:30 Closing remarks

Programme

Reflecting current trends in medicinal chemistry and pharmaceutical research, the scientific programme will feature lectures on the full range of drug targets, key enabling processes, and technologies together with late breaker talks. Furthermore, one session will be dedicated to neglected tropical diseases including a planned live webcast that will be recorded for further distribution. We would encourage additional poster presentations dedicated to this subject and will include a flash poster event to further highlight this important area of medical research.



Medicinal Chemistry Workshop (Sunday)

A satellite workshop consisting of a team-based exercise around a virtual medicinal chemistry programme will be held on the Sunday afternoon prior to this event, aimed at early career (up to 5 years' experience) medicinal chemists. Registration for this event will be at no additional cost to the main meeting. Space for the workshop is limited and applicants are encouraged to register for the meeting early to avoid disappointment.

Website: www.maggichurhouseevents.co.uk/bmcs