



# New Technologies in Synthesis and Medicinal Chemistry

Tuesday 10 May 2011

GlaxoSmithKline, Stevenage, UK

**RSC** | Advancing the  
Chemical Sciences

Organised by SCI's Fine Chemicals Group and RSC's  
High Throughput Chemistry and New Technologies Group

  
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- Programme**
- 09:00** Registration and refreshments
  - 09:50** **Welcome and introduction**
  - 10:00** **Decarboxylative cross-coupling reactions - a modern strategy for C-C-bond formation**  
Lukas Gooßen, Technische Universität Kaiserslautern, Germany
  - 10:40** **Streamlining synthesis via predictably selective C—H oxidation**  
Christina White, University of Illinois, USA
  - 11:20** Refreshments
  - 11:40** **Maraviroc, a CCR5 antagonist for the treatment of HIV: enabling discovery with parallel chemistry**  
Matt Selby, PGRD, UK
  - 12:10** **Fragment-based discovery of potent inhibitors of the anti-apoptotic proteins Bcl-xL and Bcl-2**  
Andrew Petros, Abbott, USA
  - 12:40** Lunch
  - 14:00** **Enabling fragment-based lead discovery & structure-based design for GPCRs using stabilized receptor (StaR) technology**  
Jon Mason, Heptares, UK
  - 14:30** **Chemical proteomics in signal transduction research and drug development**  
Henrik Daub, Max-Planck Institute, Germany
  - 15:00** Refreshments
  - 15:30** **The impact of lead-like and drug-like concepts**  
Paul Leeson, AstraZeneca R&D Charnwood, UK
  - 16:10** **RSC HTCNT Award winner: Chemistry, technology and drug discovery; a personal perspective**  
Martyn Deal, R&D Manager, Radleys
  - 16:50** Wine reception and close

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## Synopsis

The prudent application of relevant new technologies in medicinal chemistry is one way to increase the quality and efficiency of drug discovery.

Everyone working in the pharmaceutical industry is very aware of the need for improved productivity. The cost of R&D continues to grow rapidly while the number of new drugs being brought to the market has dwindled which has led to the recent significant reductions in the in-house research efforts in large pharmaceutical companies.

This established symposium will highlight recent advances in technology-enabled drug discovery as well as new synthetic technologies with particular relevance to medicinal chemistry. This will be the seventh meeting in this series.

## Attendees

This conference is aimed at scientists and managers in pharmaceutical, agrochemical and biotechnology companies in addition to students and academics from universities and research institutions.

## Exhibition

An exhibition is planned for this event. To reserve your place, or for further information please contact [conferences@soci.org](mailto:conferences@soci.org).

## Accommodation

A limited number of rooms have been reserved for delegates attending this event at the following hotels; Ramada Cromwell and Holiday Inn Express, Stevenage. Please quote **GSK** when booking your room. For full contact details of these hotels, visit [www.soci.org/events](http://www.soci.org/events).

## Information on SCI

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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.

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10 May 2011 @ GlaxoSmithKline, Stevenage, UK

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