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# Challenges in Catalysis for Pharmaceuticals & Fine Chemicals III

Wednesday 2 November 2011  
Burlington House, London, UK

**RSC** | Advancing the  
Chemical Sciences

Organised by SCI's Fine Chemicals Group and  
RSC's Applied Catalysis Group

  
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**10:15** Registration, refreshments and poster display

Session chair: Paul Murray, CatSci

**11:00 Introduction and welcome**  
Dave Alker, SCI Fine Chemicals Group

**11:05 Homogeneous catalysis in the fine chemical industry:  
a view from BASF**  
Rocco Paciello, BASF Ludwigshafen

**11:50 Catalysis in flow: recent examples from pharma**  
Matthew Yates, Eli Lilly Indianapolis

**12:35** Lunch and poster display

Session chair: Mimi Hii, Imperial College London

**13:35 Recent advances in gold-N-heterocyclic carbene mediated catalysis**  
Steven P Nolan, University of St Andrews

**14:20 Transition metal catalyzed borylation of C-X and C-H bonds**  
Todd B Marder, University of Durham

**15:05 Catalytic modification of arenes**  
John F Hartwig, University of Illinois Urbana

**15:50** Refreshment and poster display

Session chair: Alan Pettman, Pfizer

**16:05 A biocatalytic manufacturing route for januvia**  
Jake Janey, Merck Rahway

**16:50 Catalytic acylations and amidations**  
Jeffrey W Bode, ETH Zurich

**17:35 Closing remarks**  
John Birtill, RSC Applied Catalysis Group

**17:40** Wine mixer and depart

Refreshments and wine mixer are sponsored by BASF, Johnson Matthey and Pfizer

## Synopsis

The SCI Fine Chemicals Group and the RSC Applied Catalysis Group are pleased to announce 'Challenges in Catalysis III'

Once again, an exciting programme has been assembled to highlight the current challenges and practices of catalytic science in the Pharmaceutical and Fine Chemicals industries. Thanks to the generosity of our sponsors, registration costs have been kept at the same level as 'Challenges II'!

Topics to be covered this time will include the latest development in homogeneous catalysis, including biocatalysis, CH and CX activation, amination and acylation, as well as novel technologies.

*We would like to thank our sponsors:*



## Posters

Please submit a 300 word poster abstract to [conferences@soci.org](mailto:conferences@soci.org) and with 'Challenges in Catalysis III Abstract' as the subject line. The deadline for poster submissions is **Friday 16 September 2011**. Free registration is available for the first 10 students who have their poster accepted (this will be offered on a first come, first served basis).

## Bursaries

Travel bursaries are available to RSC students presenting a poster. If you wish to apply, please state when submitting your poster abstract. For further information, please contact [conferences@soci.org](mailto:conferences@soci.org).

## 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.

The Applied Catalysis Group is part of the RSC Industry and Technology Forum and exists to bring together and cover the interests of all members who have a professional interest in applied catalysis.

For more information on the benefits of joining SCI please go to [www.soci.org/membership](http://www.soci.org/membership)



## Challenges in Catalysis for Pharmaceuticals & Fine Chemicals III

2 November 2011 @ Burlington House, London, UK

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