



## Challenges in Catalysis for Pharmaceuticals and Fine Chemicals II

Tuesday 20 October 2009  
SCI, London, UK

**RSC** | Advancing the  
Chemical Sciences

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

  
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**programme**

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

**Session chair:** Alan Pettman, Pfizer

**11:00** Introduction and welcome

**11:05 On the road to catalysed synthetic pathways**

John Blacker, University of Leeds

**11:50 Development of practical catalysts for coupling reactions and hydrogenations**

Matthias Beller, Leibniz-Institut für Katalyse e.V. an der Universität Rostock

**12:35** Lunch and poster display

**Session chair:** Fred Hancock, Johnson Matthey

**13:35 Formation of C-C bonds via hydrogenation and transfer hydrogenation**

Michael Krische, University of Texas at Austin

**14:20 New atom economic routes to esters and amines**

David Cole-Hamilton, University of St Andrews

**15:05 Industrial chemo-enzymatic synthesis of peptides and peptid antibiotics**

Peter Quaedflieg, DSM Pharmaceutical Products

**15:50** Refreshments and poster display

**Session chair:** Mimi Hii, Imperial College

**16:05 Problems and progress in organocatalytic construction of chiral building blocks**

Alan Armstrong, Imperial College

**16:50 An innovative approach to catalysis at AstraZeneca**

Paul Murray, AstraZeneca

**17:35 Closing remarks**

John Birtill, RSC Applied Catalysis Group

**17:40** Wine mixer

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## **synopsis**

This year's meeting boasts an exciting programme and an illustrious panel of local and international speakers.

### **What the meeting will cover**

The first meeting on 'Challenges in Catalysis for Pharmaceuticals and Fine Chemicals' in 2007 was a great success, attended by over 80 scientists from industry and academia. There was enthusiastic support for a repeat event, and so the RSC Applied Catalysis Group and the SCI Fine Chemicals Group are pleased to announce 'Challenges in Catalysis II'. Following widespread consultation amongst our members, we have put together an exciting programme and an illustrious panel of invited speakers.

Topics to be covered this time will include the latest developments in coupling redox processes with C-C bond formation, cross coupling reactions, nitrile hydrogenation, organocatalysis, amide bond formation by catalysis and novel techniques for development of catalysed reactions.

### **Posters**

The deadline for poster submissions is **20 August 2009**. Please submit a 300 word poster abstract to [conferences@soci.org](mailto:conferences@soci.org) and entitle your email 'Challenges in Catalysis II Abstract'.

### **Bursaries**

SCI and RSC are pleased to offer free registration for up to 8 students presenting posters. This will be on a first come first served basis. Travel bursaries are also available to RSC students from the RSC Applied Catalysis Group, subject to available funding. If you wish to apply for a travel bursary, please complete the registration form and tick the appropriate box.

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scholarships to help further knowledge and support those involved in the sector no matter what stage of their careers.

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**registration form**

## Challenges in Catalysis II

20 October 2009 @ SCI, London, UK

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