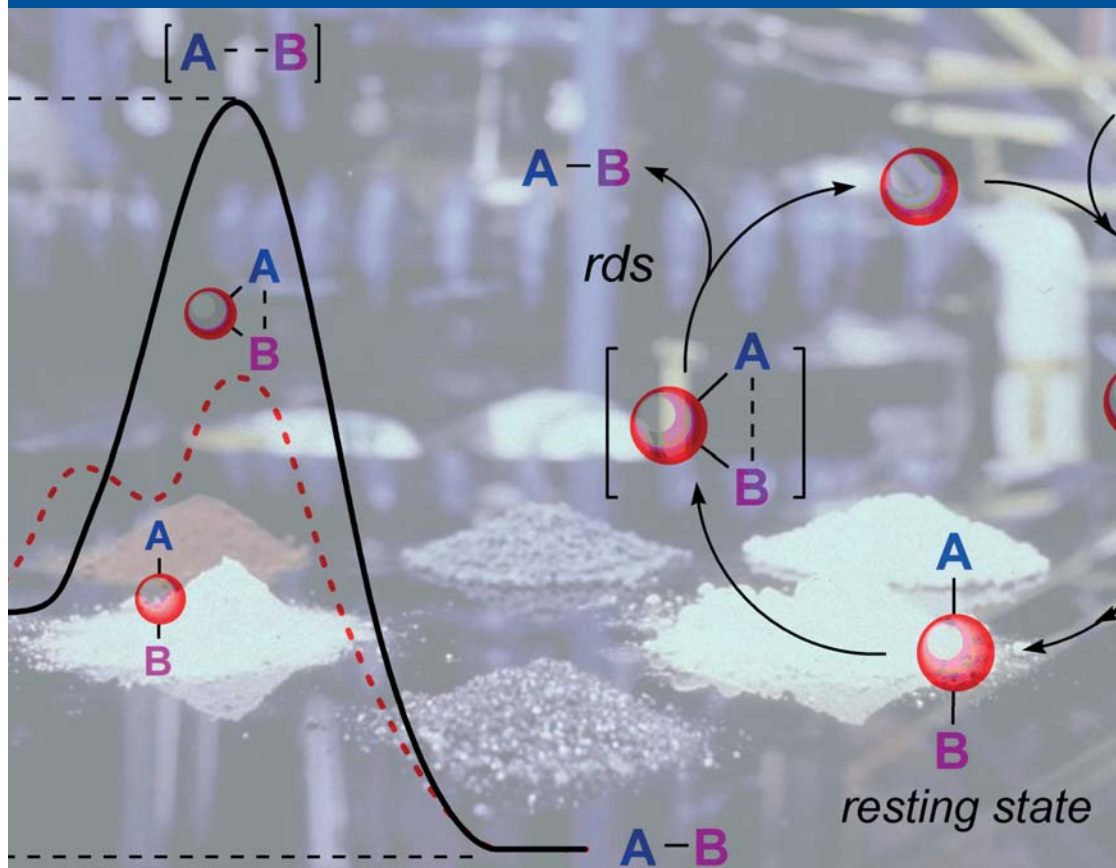


Challenges in Catalysis for Pharmaceuticals and Fine Chemicals

Tuesday 6 November 2007

SCI, London, UK



RSC | Advancing the
Chemical Sciences

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

SCI
where science meets business

PROGRAMME

- 09:15** Registration, posters and coffee
- 10:00** Introduction and welcome
Prof Frank King , RSC Applied Catalysis Group, UK
- 10:05** Key process and green chemistry research areas.
A perspective from pharmaceutical manufacturers
Dr Peter Dunn, Pfizer UK
- 10:50** Asymmetric hydrogenation. Unmet needs for fine chemicals
Prof Dr. Johannes G. de Vries, DSM Pharmaceutical Products & University of Groningen, The Netherlands
- 11:35** Catalytic aromatic C-H activation - from new reactions to industrial implications
Dr Robin Bedford, University of Bristol
- 12:20** Lunch & posters
- Session Chairman: Dr Fred Hancock , Johnson Matthey, UK**
- 13:25** Exploiting hydroformylation: from bulk commodity to bulk actives.
Dr Chris Copley, Dow UK
- 14:10** New strategies for chemical synthesis: enantioselective organocatalysis
Dr Matthew Gaunt , University of Cambridge, UK
- 14:55** Tea and posters
- Session Chairman: Dr Alan Pettman, Pfizer UK**
- 15:10** Direct amide bond formation from amines and carboxylic acids
Dr Andy Whiting, University of Durham, UK
- 15:55** Asymmetric O-H and N-H additions to carbon-carbon double bonds
Dr Mimi Hii, Imperial College, UK
- 16:40** Closing remarks
Dr John Birtill, RSC Applied Catalysis Group, UK
- 16:45** Wine mixer and depart

SYNOPSIS

The replacement of stoichiometric reagents for synthetic transformations by catalytic routes presents great opportunities for 'greener', safer and more economic manufacturing processes. Major companies (Astra Zeneca, Glaxo-Smith-Kline and Pfizer) in the pharmaceuticals industry have identified a priority list of important reactions. The organizers of this symposium set out the challenge to researchers in universities and industry. How can these reactions be carried out catalytically? Our idea was to combine an industrial perspective on this group of reactions with academic reports on the 'state of the art' science. We received many offers of interesting papers and we have selected 7 of them for our symposium. We have an exciting programme which will be of great interest to industrial and academic researchers, especially those involved in route design and chemical process development.

BURSARIES AND POSTERS

The SCI Fine Chemicals Group and RSC Applied Catalysis Group are pleased to offer bursaries for students with posters to attend this conference. This is limited to 8 places for the conference. To qualify for zero cost registration, please submit your poster abstract to **pamela.hardy@soci.org**. The deadline for poster submissions is 15 August 2007. You will be notified if you have been selected to present your poster.

The RSC Applied Catalysis Group will provide some travel bursaries to students who are members of the RSC, subject to available funding. If you wish to apply for a travel bursary, please complete the registration form and tick the appropriate box.

REGISTRATION FORM

Challenges in Catalysis for Pharmaceuticals and Fine Chemicals

Tuesday 6 November 2007, SCI, 14/15 Belgrave Square, London, SW1X 8PS, UK

Fee includes refreshments as stated in the programme. Please tick appropriate box.

SCI/RSC Member.....	£ 125 <input type="checkbox"/>	Non-Member.....	£ 155 <input type="checkbox"/>
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Special requirements: (dietary/access/other)			

Signature..... Date

Please register me for the above conference (unsigned forms cannot be accepted)





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