



# Catalysis and Synthesis using Cheaper Metals

Wednesday 18 April 2012

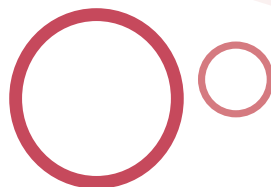
SCI HQ, London, UK

Organised by SCI's Fine Chemicals Group



- 10.30** Registration and refreshments
- 10.55** Welcome and introductory remarks
- 11.00** **New copper-catalysed reactions**  
Dr Matthew Gaunt, University of Cambridge, UK
- 11.50** **Catalysis under extreme conditions**  
Prof Erick Carreira, ETH, Switzerland
- 12.40** Lunch
- 13.40** **Bimetallic catalysis - when two less expensive metals are better than one**  
Prof Michael North, Newcastle University, UK
- 14.30** **New enantioselective reactions catalysed by less expensive metals**  
Dr Hon Lam, University of Edinburgh, UK
- 15.20** Refreshment break
- 15.40** **Effectors in metal catalysis**  
Prof Carsten Bolm, Aachen University, Germany
- 16.30** **Cross-coupling reactions of alkyl electrophiles**  
Prof Gregory Fu, Massachusetts Institute of Technology, USA
- 17.20** Close of meeting
- 17.30** Wine mixer

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## Synopsis

This one-day event organised by the Fine Chemicals Group of the SCI will focus on new applications of cheaper metals in synthesis and catalysis.

With the spiralling costs of noble metals, attention has increasingly turned to the cheaper first-row transition metals in the search for new catalysts. Not only has such research activity led to the introduction of cheaper alternatives to more traditional catalysts, but has also uncovered completely new reactivity, leading to the development of new transformations, often operating by novel mechanisms.

This meeting brings together some of the leading exponents in the field who will showcase their latest results and outline some of the key developments in this fast-changing field.

## Attendees

This meeting is aimed at chemists from both academia and industry who are working in the field of organic synthesis and catalysis, and are interested in the new synthetic applications of cheaper transition metals.

## Organisers

Liam Cox, University of Birmingham  
Ray Jones, Loughborough University  
Michael Willis, University of Oxford  
Martin Owton, Lilly  
Paul Worthington, Syngenta  
Fred Hancock, Johnson Matthey

## 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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## Catalysis and Synthesis using Cheaper Metals

18 April 2012 @ SCI HQ, London, UK

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