

First announcement and call for posters

Late Stage Functionalization for Synthesis and Medicines

Monday, 5th December 2016

Mathematical Institute, Andrew Wiles Building,
Oxford, UK



ROYAL SOCIETY
OF CHEMISTRY

BIOLOGICAL AND
MEDICAL
CHEMISTRY
SECTOR



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Overview

Late Stage Functionalization (LSF) holds the potential to revolutionize the logic of chemical synthesis and open new ways to prepare novel natural products and medicines. The introduction of important chemical groups for medicinal chemistry in the very last steps of the synthesis through LSF could also dramatically speed up the preparation of NCEs and have a major impact on drug discovery. The availability of new powerful catalytic chemistries showing a high degree of functional group tolerance and that can be performed under mild conditions offer tremendous opportunities for chemists to access new molecules that cannot be made easily by conventional approaches.

Objectives

To gather academic and industry leaders in the field of late stage functionalization for a one-day symposium in Oxford to provide an overview of current state-of-the-art science and technology, and to anticipate future trends.

Topics and Confirmed Speakers

Topics will cover hot and emerging areas in the field of late stage transformations (including C-H activation for total synthesis, oxidation, fluorination, alkylation, biocatalysts, transition metal catalysts, photoredox catalysts, late stage functionalization in medicinal chemistry, and late stage functionalization for PET chemistry).

- Christina White (University of Illinois)
- Tobias Ritter (Harvard & Max Planck Institute)
- Veronique Gouverneur (University of Oxford)
- Shane Kraska (Merck, Rahway)
- Luet Wong (University of Oxford)
- Jin-Quan Yu (TSRI)

Features

- Six lectures delivered by leading scientists in the field
- Poster session and award for best poster
- Some posters selected for brief flash presentations
- Round table discussion at the end of the symposium
- A related trade exhibition
- Discounted rates are offered to RSC members, and some bursaries are available

Call for Posters

Posters are invited for display throughout the meeting and a poster session during lunch. Some authors will be selected to deliver flash oral presentations. A poster prize will also be awarded. Please download a template and send a one-page abstract to the Secretariat by 7th November.

Registration Fees and Bursaries

Please visit our website for full details and to download a bursary application form (closing date 16th October).

Venue and Travel

Mathematical Institute, Andrew Wiles Building, Radcliffe Observatory Quarter, Woodstock Road, Oxford OX2 6GG. Oxford is easily accessible from London airports, by train and by road, and the venue is located in Oxford city centre.

Sponsorship and Exhibition

A small trade exhibition will be held - please visit our website for more details. We are most grateful to our confirmed sponsor, UCB, and to the University of Oxford for their support.

Organising Committee

Luis Castro	UCB (co-chairman)
Darren Dixon	University of Oxford (co-chairman)
Christophe Genicot	UCB
Fabien Lecomte	UCB
Malcolm MacCoss	UCB and University of Oxford
Rachel MacCoss	University of Oxford



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