



Retrosynthesis and Heterocyclic Workshop

Tuesday 28 - Thursday 30 June 2011

Days Hotel, Nottingham, UK

Organised by SCI's Young Chemists' Panel of SCI's Fine Chemicals Group



Tuesday 28 June

- 12.00 Registration and lunch
 13.50 **Welcome and introduction**
 14.00 **One-group C-X disconnections** - Paul Wyatt, University of Bristol (1)
 14.45 Refreshment break
 15.15 **Two-group C-X disconnections** - Paul Wyatt (2)
 17:00 **Introduction to heterocyclic synthesis** - Mike Shipman, University of Warwick (1)
 18:30 Dinner

Wednesday 29 June

- 09.00 **Heterocyclic synthesis 1** - Mike Shipman (2)
 10.30 Refreshment break
 11.00 **1,3- and 1,5-dicarbonyl disconnections** - Paul Wyatt (3)
 12.30 Lunch
 14.00 **Heterocyclic synthesis 2** - Mike Shipman (3)
 15.30 Refreshment break
 16.00 **1,4- and 1,2-dicarbonyl disconnections** - Paul Wyatt (4)
 17.15 Freetime
 19:30 Dinner

Thursday 30 June

- 09.00 **Heterocyclic round-up and introduction to problem-solving session** - Mike Shipman (4)
 10.00 Refreshment break
 10.15 **Team problem-solving session**
 In this session the teams will be asked to devise approaches to a selection of lead molecules from an area of medicinal chemistry
 12.30 Lunch
 13.30 **Presentations by groups on findings from morning session**
 14.30 **Strategy and selectivity** - Paul Wyatt (5)
 15.20 **Closing remarks**
 15:30 Close

Registration fee includes:

- Attendance at all technical sessions
- Refreshments, lunches and dinners as detailed in the programme above
- A copy of the course books, *Heterocyclic Chemistry* by J A Joule and K Mills, and *Organic Synthesis: the Disconnection Approach* by S Warren

Synopsis

This is the ninth meeting on retrosynthesis and heterocyclic chemistry organised by SCI's Young Chemists' Panel.

The course will comprise a series of lectures and highly interactive small-group problem-solving sessions. Each tutorial group will be supported by a Young Chemists' Panel member. On the final day, there will be the opportunity to present results to the whole group as part of a team problem-solving event, where the skills learned in the first two days will be applied to the synthesis of real-life target molecules from the pharmaceuticals industry.

Attendees

The workshop will be of particular interest to recent graduates from the pharmaceuticals, agrochemicals and fine-chemicals industries.

A limited number of rooms are available for delegates attending this event at the conference venue. Please contact the hotel directly using the details below:

Days Hotel, 17-31 Wollaton Street, Nottingham, NG1 5FW
Tel: 0115 912 8000, Fax: 0115 912 8080
E-mail: reception@dayshotelnottingham.co.uk

Please quote: **SCIC280611** when booking your room.

Accommodation

Organisers

Mr Carl North, Chroma Therapeutics
Dr Ali Raouf, Paterson Institute for Cancer Research
Mrs Katy White, Takeda Pharmaceuticals
Dr Ben Whittaker, Biofocus DPI
Dr Wesley Blackaby, Biofocus DPI

Information on SCI

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28 - 30 June 2011 @ Days Hotel, Nottingham, UK

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