

EXPLOITING FLOW CHEMISTRY IN R& D, WORKSHOPS.

13th November 2007 - Orchard Road, Royston, Herts

And

6th February 2008 - The University of Cardiff, Wales

Introduction

These workshops have been designed to enable chemists to see and try out the latest advances in flow chemistry for laboratory synthesis. They are being organised jointly by the Chemistry Innovation Knowledge Transfer Network and the University of Cardiff. Attendance at the workshops will be limited in numbers to facilitate participation and will take place at two separate venues and dates. Both venues will operate to essentially the same programme.

Aims of the workshops

Despite being a well tried technology for chemistry, particularly in the manufacturing area, flow chemistry in the laboratory has not been widely adopted by the organic synthesis R&D community. Microflow equipment was first shown some years ago but is today only practiced by a few research groups, despite many seemingly attractive attributes.

In recent years one of the apparent hurdles to uptake, the cost of equipment, has been lowered considerably. Suitable equipment is now appearing that is effective, flexible, robust and affordable. It is now a good time for chemists to take a fresh look at what is available and what can be done to great advantage with flow chemistry in the organic synthesis R&D area.

These workshops will each take the form of a lecture session given by experts in the field, followed by a practical session in which delegates can see and try out for themselves modern flow equipment. A short discussion session will conclude the workshops to enable delegate chemists to “have their say” on flow chemistry.

Organising Committee.

Prof David Barrow	University of Cardiff
Mr Richard Bahu	Chemistry Innovation
Mr Mark Gilligan	The Dolomite Centre Ltd
Dr Ken Veal	Chemistry Innovation

Thanks

We would like to thank, Johnson Matthey at Royston for providing their training facility for the talks and the (adjacent) Dolomite Centre at Royston for making available laboratory facilities for the demonstrations. We would also like to thank the University of Cardiff for hosting the Wales event.

Directions please see attached link

Royston - <http://www.dolomite-centre.com/map.aspx> Cardiff - <http://www.cf.ac.uk/locations/directions/index.html>

EXPLOITING FLOW CHEMISTRY IN R&D WORKSHOPS - 13TH NOVEMBER 2007

The Dolomite Centre and Johnson Matthey Orchard Road,
Royston, Hertfordshire

Programme Workshop 1

08:30	Registration and Coffee	The Dolomite Centre
09.25	Welcome and introduction	Dr Ken Veal, Chemistry Innovation
09.30	Why flow chemistry?	Dr Brian Warrington, BB Consultants Ltd
10:10	Continuous flow processing from microreactors to macroscale in heterocyclic chemistry	Dr Mark Bagley University of Cardiff
10:50	New and fast approaches to multi-step synthesis using flow chemistry	Catherine Smith, University of Cambridge
11.30	<i>Break</i>	
11.40	Continuous flow reactions in supercritical fluids	Dr Adrian Chapman, University of Nottingham
12.20	Emerging technologies for flow chemistry.	Dr Elizabeth Farrant, Pfizer
13.00	<i>Lunch at The Dolomite Centre for continuing the meeting</i>	
13.45	Practical demonstrations of flow equipment by Syrris Ltd, Asynt Ltd, HEL Ltd and Presearch Ltd	
15.45	Discussion session	
16.30	Close	

EXPLOITING FLOW CHEMISTRY IN R&D WORKSHOPS - 6TH FEBRUARY 2008 THE UNIVERSITY OF CARDIFF, WALES

Programme Workshop 2

08:30	Registration and Coffee	
09.25	Welcome and introduction	Dr Ken Veal, Chemistry Innovation
09.30	Why flow chemistry?	Prof David Barrow , University of Cardiff
10.10	Continuous flow processing from microreactors to macroscale in heterocyclic chemistry	Dr Mark Bagley, University of Cardiff
10:50	New and fast approaches to multi-step synthesis using flow chemistry	Catherine Smith, University of Cambridge
11.30	<i>Break</i>	
11.40	Continuous flow reactions in supercritical fluids	Dr Adrian Chapman University of Nottingham
12.20	Emerging technologies for flow chemistry.	Dr Elizabeth Farrant, Pfizer
13.00	<i>Lunch</i>	
13:45	Practical demonstrations of flow equipment by Syrris Ltd, Asynt Ltd, HEL Ltd and Presearch Ltd	
15:45	Discussion session	
16.30	Close	

Chemistry Innovation

Exploiting Flow Chemistry in R&D, Workshops

Workshop (1) 13th November 2007 – Orchard Road, Royston, Herts

Workshop (2) 6th February 2008 – The University of Cardiff, Wales

Delegate Name(s)	Position	E-mail	Telephone

I would like to attend Workshop (1) YES/NO

I would like to attend Workshop (2) YES/NO

COMPANY _____

ADDRESS _____

Post Code _____ Web _____

Registration details and location map will be emailed to you 1 week before the event

RATES

Attendance fee cannot be refunded unless more than 5 days notice is given of cancellation. Please make cheques payable to 'Chemistry Innovation'.

	INDUSTRY	ACADEMIC	CHEMISTRY INNOVATION MEMBER
Delegate Rate	£150 per event +(VAT)	£75 per event + (VAT)	£100 per event +(VAT)

For further details please call Anita Potterill-Tilney on 01928 515662 to discuss
Or e-mail anita.potterill.tilney@ciktn.co.uk

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