



# SCI/RSC Continuous Flow Technology III

Monday 14 - Wednesday 16 March 2016

Robinson College, Cambridge, UK

## Synopsis

This three day Conference on Continuous Flow Technology is organised by both SCI and RSC, combining previously successful 1 and 2 day symposia. This reflects the advances made with continuous flow technology over recent years and the impact it is making right across the chemicals industry spanning discovery applications, process development advances and value for commercial manufacture of fine and speciality chemicals. To reflect the mix of interests and applications across the chemistry community, the symposium is structured as two back to back events with options for attending two consecutive days or all three.

## Attendees

This meeting will be of particular interest to synthetic chemists, process development chemists, chemical engineers and plant managers operating in pharmaceutical, agrochemicals and the fine and speciality chemicals industries.

## Exhibition

An exhibition will run alongside the conference to showcase flow chemistry hardware from leading vendors in this area. There will be an opportunity for exhibitors to have a 15 minute talk in the programme. For further information and prices please email [patricia.cornell@soci.org](mailto:patricia.cornell@soci.org).

## Registration

To register for the event, please visit: [www.soci.org/events](http://www.soci.org/events). Early bird rates end on **Friday 22 January 2016**.

	Two-Day		Three-Day	
	Early Bird	Standard	Early Bird	Standard
SCI/RSC Member	£220	£265	£315	£380
SCI/RSC Student Member	£140	£170	£200	£240
Non-Member	£300	£360	£420	£505

**For a list of confirmed talks, please see overleaf.**

### For more information contact:

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## Confirmed Talks

### Monday 14 March - Research Discovery

#### **Hazardous chemistry meets microreactors – forbidden chemistries go flow**

Oliver Kappe, Karl-Franzens University Graz, Austria

#### **Shading synthesis green using enabling technologies**

Duncan Brown, Cardiff University, UK

#### **Taming the beast: generation and use of diazocarbonyls in-flow**

Chris Hayes, University of Nottingham, UK

#### **Electrochemical flow-reactor for the synthesis of organometallic complexes**

Charlotte Willans, University of Leeds, UK

#### **Light-induced transformations in continuous flow**

Juan-Antonio Rincón, Eli Lilly & Co, Spain

#### **Flow chemistry as a tool for drug discovery**

Jesus Alcazar, Janssen, Spain

#### **Flow-chemistry in pharma: strategies to accelerate the R&D process**

Hansjoerg Lehmann, Novartis Institutes for Biomedical Research, Switzerland

#### **Catalysis with flow – scope and options**

Ian Baxendale, Durham University, UK

### Tuesday 15 March - Process Development

#### **Automated catalyst screening and reaction optimization in continuous and oscillating droplet flow**

Klavs Jensen, Massachusetts Institute of Technology, USA

#### **Taming diazo transfer chemistry in flow: exploring the continuous synthesis and use of sulfonyl azides**

Anita Maguire, University College Cork, Ireland

#### **Development of hydrogen transfer catalysis involving multi-phasic flow systems**

John Blacker, University of Leeds, UK

#### **Scale-up perspective on photochemistry**

Christophe Allemann, University of Applied Sciences Western Switzerland, Switzerland

#### **Oxidation processes and heat integration in micro-reactors**

Thorsten Röder, Hochschule Mannheim University of Applied Sciences, Germany

#### **Continuous flow reactors: an opportunity for discovery, process development & production?**

Charlotte Wiles, Chemtrix, The Netherlands

#### **Continuous ways of working in process development: getting the right information in the best way at the right time**

Alan Robinson, Syngenta, UK

#### **Industrialisation of API continuous processing, from Lab to Factory. What have we learnt along the way?**

Malcolm Berry, GlaxoSmithKline, UK

There will be flash poster presentations during the afternoon sessions on Monday and Tuesday.

### Wednesday 16 March - Industrialisation

#### **3-stage continuous process demonstration at ICES**

Paul Sharratt, Institute for Chemical and Engineering Sciences, Singapore

#### **Small, agile factories: how to deliver the precision of continuous processing, with the agility required for pharmaceutical manufacture**

Andrew Rutter, GlaxoSmithKline, UK

#### **Implementing continuous processing within pharmaceutical development in AstraZeneca**

Mubina Mohamed, AstraZeneca, UK

#### **Evolution and validation of kinetic motifs using continuous-flow reactors**

Frans Muller / Richard Bourne, University of Leeds, UK

#### **The use of flow chemistry to avoid cryogenic conditions and application to the manufacturing process for MK-8931**

John Naber, Merck, USA

#### **Design of multistep continuous flow API production**

Kevin Cole, Eli Lilly & Co, USA

#### **Integrated design for continuous processing**

Roderick Jones, SSPC Dublin, Ireland

#### **"Dial-a-particle" capability using advanced process control in continuous crystallisers**

Ewan Mercer, Perceptive, UK / Ian Housen, CMAC, Strathclyde University, UK

#### **Continuous flow: from laboratory to full GMP production**

Ester Masllorens, Medichem, Spain