



# Continuous Flow Technology IV

Tuesday 14 – Thursday 16 May 2019  
Manchester Conference Centre, UK



Organised by SCI's Fine Chemicals Group,  
RSC's Biological and Medicinal Chemistry Sector  
and RSC's Speciality Chemicals Sector



# Programme

## Tuesday 14 May

- 08:00** Registration and refreshments
- 09:30** Welcome and introduction
- 09:45** **Flow conditioning: promoting and extending our synthesis capabilities**  
Ian Baxendale, Durham University
- 10:30** **Flow photochemistry as a tool for drug discovery**  
Jesús Alcázar, Janssen-Cilag
- 11:00** Refreshment break, exhibition and posters
- 11:45** **Electrification of synthesis and advances in flow chemistry**  
Thomas Wirth, Cardiff University
- 12:15** **Electrochemical generation of catalysts using batch and flow technology**  
Charlotte Willans, University of Leeds
- 12:45** Lunch, exhibition and posters
- 14:00** **Biocatalysis in flow**  
Nick Turner, University of Manchester
- 14:30** Speaker to be confirmed
- 15:00** **Flash poster presentations**
- 15:20** Refreshment break, exhibition and posters
- 16:00** **Development and exploitation of a flow-based nanoscale automated reaction screening**  
Paul Richardson, Pfizer
- 16:30** **Impact of flow chemistry in early process development**  
Benoit Cardinal-David, Abbvie
- 17:15** Networking reception

## Wednesday 15 May

- 09:00** **From flow chemistry in the lab towards industrial implementation on scale – case studies on continuous API synthesis**  
Oliver Kappe, University of Graz
- 09:45** **Development approach for a flow process to produce pharmaceutical intermediates**  
Hannah Robinson, GlaxoSmithKline
- 10:15** Refreshment break, exhibition and posters
- 11:00** **Multiphase reaction systems in flow**  
John Blacker, University of Leeds, IPRD
- 11:30** **Cellular foam bed reactors for continuous flow catalysis: the state-of-the-art and future challenges**  
Xiaolei Fan, University of Manchester
- 12:00** **Flash poster presentations**
- 12:15** Lunch, exhibition and posters

- 14:00** **Medicines for all institutes: low cost routes via new methods, mechanisms and technology**  
Tyler McQuade, Virginia Commonwealth University
- 14:45** **Multi-step process development**  
John Naber, MSD
- 15:15** Refreshment break, exhibition and posters
- 16:00** **Going FAST: Flow and Automation Strategy Team and its impact on API process development and manufacturing**  
Moiz Diwan, Abbvie
- 16:30** Talk title to be confirmed  
Sam Bourne, Arcinova
- 17:00** **Homogeneous Catalysis @ BASF**  
Rocco Paciello, BASF
- 17:30** Conference dinner

## Thursday 16 May

- 09:00** **Toward filing a multistage continuous process for API**  
Malcolm Berry, GlaxoSmithKline
- 09:45** **Continuous primary processing – from an R&D concept to implementation at an industrial scale**  
Charlotte Wiles, Chemtrix
- 10:15** Refreshment break, exhibition and posters
- 11:00** **Flow chemistry at industrial scale: enlarging operating windows and increasing productivity**  
André de Vries, Innosyn
- 11:30** **Commercialization of a high-pressure reaction for Gefapixant**  
Kevin Maloney, MSD
- 12:00** **Poster prizes**
- 12:15** Lunch, exhibition and posters
- 13:30** **Continuous crystallization of an active pharmaceutical ingredient: from lab to pilot plant**  
Barbara Wood, University College Dublin, and Pat Sweeney, KTL, GTS API Technology Group, Pfizer Ireland Pharmaceuticals
- 14:15** **An industry demonstration of small volume continuous manufacturing for a small molecule drug substance under cGMP conditions**  
Robert Moylan, Lilly
- 14:45** Refreshment break, exhibition and posters
- 15:30** **Gas-liquid hydrogenation in continuous flow for process intensification and rapid process**  
Nikolay Cherkasov, Stoli Catalysts
- 16:00** Talk title to be confirmed  
Clive Badman, University of Strathclyde
- 16:30** Close



#SCIRSCFlow2019

# Registration Fees

## Before Friday 29 March 2019

### Three-day fee

SCI/RSC Member	£425
SCI/RSC Student	£175
Non-member	£525

### Two-day fee

SCI/RSC Member	£275
SCI/RSC Student	£150
Non-member	£370

## After Friday 29 March 2019

### Three-day fee

SCI/RSC Member	£510
SCI/RSC Student	£210
Non-member	£630

### Two-day fee

SCI/RSC Member	£330
SCI/RSC Student	£180
Non-member	£445

For information, the most up-to-date speaker programme, and to register, please visit [www.soci.org/events](http://www.soci.org/events)

## Call for Posters

Papers are invited for poster presentation. Abstracts should be sent by email to [conferences@soci.org](mailto:conferences@soci.org) by **Friday 15 February 2019**.

## Bursaries

A limited number of bursaries are available to students to cover their registration fees and contribute to their travel and accommodation costs. To request an application form, or for more information, please email [conferences@soci.org](mailto:conferences@soci.org).

## Venue

Manchester Conference Centre  
Sackville Street  
Manchester  
M1 3BB

## Partner



## Exhibition and Sponsorship

An exhibition will take place alongside the conference. Companies and organisations who may wish to exhibit, please email [conferences@soci.org](mailto:conferences@soci.org) for further information and prices. Spaces are limited and will be allocated on a first-come, first-served basis.

## About SCI

SCI is a forward-looking multidisciplinary membership organisation connecting industry, government and academia to advance the application of science for the benefit of society.

SCI offers a network of contacts spanning the chemical and chemical-using industries, together with a rolling programme of conferences, events and prestigious awards which help further knowledge and support those involved in the sector, no matter what stage they're at in their careers.

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