

Organic Process Research & Development



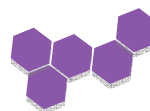
**SCIENTIFIC
UPDATE**

We've got chemistry

A 3-day Conference and Exhibition

**Meliá Milano Hotel, Milan, Italy
29 – 31 October 2018**

PROGRAMME



Monday 29 October 2018

From 8.15 **Registration and morning coffee**

Morning Session Chairman: *Dr Will Watson | Scientific Update Ltd*

8.55 **Opening Remarks**

9.00 **Dr Xiaohu Deng** | Kura Oncology Inc., USA
Case Studies: Value-Drive Chemical Innovation in Different Business Paradigms

9.45 **Dr Claudio Battilocchio** | Syngenta Crop Protection AG, Switzerland
Continuous Preparation and Use of Dibromoformaldoxime as a Reactive Intermediate for the Synthesis of 3-Bromoisoxazolines

10.30 **Coffee and Exhibition, kindly sponsored by**

ORGANIC PROCESS RESEARCH & DEVELOPMENT

OPR&D

11.15 **Prof. Thorsten Röder** | Hochschule Mannheim, Germany
Kinetic measurements, online Spectroscopy, and Scale-Up in Micro Reactors

12.00 **Dr Christophe Hardouin** | Servier, France
Title to be confirmed

12.45 **Lunch and Exhibition**

Afternoon Session Chairman: *Dr Trevor Laird | Founder of Scientific Update LLP*

14.00 **Dr. Stefan Schnippering** | Albemarle Germany GmbH, Germany
Butyllithium Beyond 2.5: Lithiations in Continuous Flow

14.45 **Dr Iwona Kaluzna** | InnoSyn B.V., The Netherlands
Development and Application of Hydratase Technology for the Sustainable Synthesis of Chemical Products and Intermediates

15.30 **Coffee and Exhibition**

16.15 **Dr Benjamin D. Sherry** | Merck Sharp & Dohme, Inc., USA
Development of Efficient Processes to Nitrogen Heterocycles

17.00 **Dr Antonio Zanotti-Gerosa** | Johnson Matthey, UK
Homogeneous Hydrogenation: Beyond Chiral Applications

17.45 End of Day 1

17.45 Welcome Reception kindly sponsored by:



Tuesday 30 October 2018

Morning Session Chairman: Name to be confirmed | Organisation

8.40 Opening remarks

8.45 **Professor Xiong-Wei Ni** | Heriot-Watt University, UK
Recent Development in Continuous Reaction and Continuous Crystallization

9.30 **Dr Michael Webb** | GlaxoSmithKline, UK
Pipes to PAT, achieving process control through technology

10.15 Coffee and Exhibition Sponsored by:



11.00 **Dr Robert Appell** | The Dow Chemical Co., USA
History of Cellulose Ether Excipient Manufacturing

11.45 **Dr Andrzej Tracz** | Apeiron Synthesis S.A., Poland
Title to be confirmed

12.30 Lunch and Exhibition, sponsored by:



2.00 – 5.30

Polymorphism & Crystallisation | Optional Short Course

This short course will start with an introduction and overview on the subject of crystallisation and polymorphism, and will then include a series of case studies designed to examine particular aspects of the subject. The case studies will include modifying a crystallisation to control particle size distribution, the issue of appearing and disappearing solid forms, such as polymorphs, hydrates, and solvates, and show how various companies approach different problems. In addition some comments on online and offline analysis of crystallisation systems will be included.

Tutor: Dr Will Watson, | Scientific Update Ltd

Wednesday 31 October 2018

Morning Session Chairman: *Dr Will Watson, Scientific Update Ltd*

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| 8.25 | Opening remarks |
| 8.30 | Professor Hans-René Bjørsvik University of Bergen, Norway
<i>Multi-gram Synthetic Processes Involving Continuous Flow Reactors
Telescoped with Semi-Continuous Work-Up and Purification Steps</i> |
| 9.15 | Dr. Andreas Schuster F. Hoffmann-La Roche AG, Switzerland
<i>Critical Process Parameters - Determination and Quantification of Criticality</i> |
| 10.00 | Coffee and Exhibition |
| 10.45 | Dr Bernhard Gutmann Lonza, Switzerland
<i>Continuous Flow Techniques for Fine Chemical Manufacturing</i> |
| 11.30 | Dr David Thaisrivongs Merck, USA
<i>The Development of a Commercial Manufacturing Route for Verubecestat</i> |
| 12.15 | Conference Ends, Boxed lunches available |

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