

# Hazardous Chemistry for Streamlined Large Scale Synthesis



## SCIENTIFIC UPDATE

*We've got chemistry*

*A 2-day Conference and Exhibition*

**Lindner Hotel & City Lounge, Antwerp,  
Belgium**

*28-29 November 2017*



## PROGRAMME

### Tuesday, November 28<sup>th</sup> 2017

From 08.15      **Registration**

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

08.55            **Opening Remarks**

09.00            **Dr Nathan Yee** | Boehringer-Ingelheim Pharmaceuticals Inc | USA  
*API Development using Continuous Flow Technology – A Case Study*

09.45            **Dr Wim Dermaut** | Agfa | Belgium  
*On the Spot Generation of Hypobromite using Flow Technology*

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



11.15            **Dr Bernhard Gutmann** | RCPE/University of Graz | Austria  
*On-Demand On-site Continuous Processing – The Concept of “Chemical Generators” in Modern and Pharmaceutical and Fine Chemical Manufacturing*

12.00            **Dr Jasbir Singh** | Hel Group | UK  
*Defining the “unwanted” Runaway Reaction Hazard – Limitations of Experimental Methods and Role of Computer Modelling*

12.45            **Lunch and Exhibition**

**Afternoon Session Chairman:**    *Dr Wim Dermaut | Agfa*

14.00            **Dr Brecht Egle** | Janssen Pharmaceutica NV | Belgium  
*A Cautionary Tale of Hazardous Boron Byproducts from Suzuki Coupling Reactions*

14.45            **Dr Jim Rutherford** | **Keit Spectrometers** | UK  
*Innovation in sensor design enables in-line large-scale hazardous reaction analysis of exothermic reactions*

15.30            **Coffee and Exhibition**

- 16.15 **Dr Petteri Elsner** | Lonza AG | Switzerland  
*Possibilities of Handling Hazardous Reactions using Continuous Flow Technologies*
- 17.00 **Dr Staffan Karlsson** | AstraZeneca R&D Gothenburg | Sweden  
*Continuous Processing and Real Time Monitoring of Hazardous Chemistry*
- 17.45 **End of Day 1**
- 17.45 **Welcome Reception**

### Wednesday, November 29<sup>th</sup> 2017

**Morning Session Chairman:** **Dr Nathan Yee** | Boehringer-Ingelheim Pharmaceuticals Inc

- 8.55 **Opening remarks**
- 9.00 **Dr Raf Reintjens** | InnoSyn BV | The Netherlands  
*Enlarging the Operating Window Safely by Using 3D-printed Metal Flow Reactors and Mixers*
- 09.45 **Dr Livius Cotarca** | LC Consulting | Italy  
*Triphosgene: A Hazard from Misnomer or by Poor Knowledge of its Properties*
- 10.30 **Coffee and Exhibition kindly sponsored by:**



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- 11.15 **Dr Günter Weingärtner** | Dottikon | Switzerland  
*Necessity of Hazardous Reactions for Access to Small-Molecule APIs*
- 12.00 **Dr Craig Knight** | Pfizer | UK  
*Development of a Sustainable and Scalable Process for Step 1 and 2 of Talazoparib Tosylate*
- 12.45 **Lunch and Exhibition**

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

- 14.00 **Dr Geert Vercruysse** | BASF | Belgium  
*Catalytic Processes – Process Safety Requirements*
- 14.45 **Name to be confirmed** | Organisation | Country  
*Title of talk to be confirmed*
- 15.30 **END OF CONFERENCE**