



SCIENTIFIC UPDATE

We've got chemistry

HAZARDOUS CHEMISTRY FOR STREAMLINED LARGE SCALE SYNTHESIS

3rd International Conference & Exhibition

28-29 NOVEMBER 2017

"The conference was a good opportunity to get into contact with experts in the field of hazardous chemistry and learn what is possible."

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HAZARDOUS CHEMISTRY FOR STREAMLINED LARGE SCALE SYNTHESIS

3rd International Conference & Exhibition

28-29 November 2017 Antwerp, Belgium, Lindner Hotel & City Lounge

Who should attend?

- > Process Research & Development Chemists
- > Chemical Engineers in Industry
- > Heads of Departments & Team Leaders

What's included?

- > Attendance at all the sessions
- > Set of colour conference proceedings
- > Lunch & refreshments daily
- > Access to the exhibition
- > Place at the Networking Reception
- > FREE Poster Board

CONFERENCE INTRODUCTION

Do you want to improve efficiency and innovation in your synthetic route design, development and optimisation?

The ability to carry out hazardous chemistry at scale often leads to significantly shorter synthetic routes and to lower cost processes.

This 3rd international conference and exhibition has been designed to showcase synthetic chemistry involving hazardous reagents, intermediates and/or reaction conditions carried out on an industrial scale. Safety aspects and changes to reaction conditions to avoid dangerous operating conditions will be highlighted.

The conference will include examples involving:

- > azide and diazo chemistry
- > flow chemistry
- > pressure reactions such as carbonylations, halogenations
- > nitrations and nitro-compounds
- > organometallic chemistry
- > hydride reductions
- > chlorination and sulfonation chemistry
- > vilsmeier chemistry

Presented by Industrial speakers from around the world - you will learn first hand how their experiences and knowledge can help you solve your next scale-up challenge!

INTERNATIONAL PRESENTATIONS

14 invited speakers including:

Dr Urs Braendli, Dottikon, Switzerland
*Necessity of Hazardous Reactions
for Access to Small-Molecule APIs*

Dr Wim Dermaut, Agfa, Belgium

Dr Brecht Egle,
Janssen Pharmaceutica NV, Belgium
*A cautionary tale of hazardous
boron byproducts from Suzuki
coupling reactions*

Dr Petteri Elsner,
Lonza AG, Switzerland

Dr Staffan Karlsson,
AstraZeneca, Sweden

Dr Ian Priestley, Syngenta Ltd, UK
*Small scale screening and some
pitfalls with TMR*

Dr Raf Reintjens,
InnoSyn BV, The Netherlands
*Enlarging the operating window safely
by using 3D-printed metal flow reactors
and mixers*

Dr Jasbir Singh, Hel Group, UK
*Defining the "unwanted" runaway
reaction Hazard – limitations of
experimental Methods and role
of computer modelling*

Dr Nathan Yee,
Boehringer-Ingelheim
Pharmaceuticals Inc, USA

CONFERENCE FEES

Early Bird	€1350
Regular Delegate	€1450
Exhibitor Package	€2150
(includes one exhibitor attending)	
Additional Exhibitors	€850
*Academic rate	€450
*Please contact us to obtain this special rate	

CONFERENCE TIMINGS

Tuesday 28 November

08.15am	Registration
8.55am - 5.45pm	Conference in session
5.45pm	Welcome Reception

Wednesday 29 November

8.55am - 3.30pm	Conference in session
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VENUE

Lindner Hotel & City Lounge

Lange Kievitstraat 125
B-2018 Antwerpen
Belgium

+32 3 22777-00

www.lindnerhotels.be

A limited number of rooms have been reserved at the chic but casual hotel in the glitzy diamond district, right next to the cathedral-like central station. The special conference rate is €133.39 for single room including VAT – including breakfast and city tax.



SPONSORS

Belgian Federation for chemistry and Life Sciences Industries

Essenscia represents and brings together **730** companies in Belgium's chemical, plastics and life sciences industry. With turnover of **65** billion euros and **89,600** direct employees, the sector represents **almost** 1/5 of the entire Belgian manufacturing industry. The sector exports **more than 80%** of its production and generates a trade surplus of **23.2** billion euros, thus contributing to the vigour of the Belgian economy. The sector is also very innovative **with 4** billion euros R&D-expenditures every year.

Belgium is the number one chemical country in the world on a per capita basis and a dominant player of a wide range of key chemicals and plastics in Europe. The spectacular development of the port area of Antwerp since the 1960s has



been of vital importance for the growth of the base chemical industry in Belgium. Thanks to considerable investments by Belgian and foreign companies in the petrochemical industry and other major chemical activities, Belgium has developed into a leading global petrochemical center.

Belgium is also a world leader in pharmaceuticals. **More than 26,000** people work in this sector, which alone accounts for **33%** of all Belgian exports. In fact, **85%** of all private sector R&D-expenditures is in the pharmaceutical industry.

Boulevard Auguste Reyerslaan 80
1030 Brussels
T +32 2 238 97 11
www.essenscia.be

Exhibition Opportunities

Why not Exhibit at this prestigious conference. There will be plenty of opportunities to network with key

decision makers in a relaxed and informal environment.

For more details please visit our website
www.scientificupdate.com

AGFA-LABS

Agfa-Labs is the open innovation platform of Agfa's Materials Technology Centre. We are



offering our R&D competences regarding chemicals, materials and coatings research to third parties.

This implies, in the first place, the advanced analytical competences that Agfa has acquired throughout the years : material analysis and testing, contaminant identification, trouble shooting and failure analysis, REACH-analyses, de-formulation and re-engineering. Agfa-labs also offers its services in the field of process safety with capabilities for reaction calorimetry, thermal stability testing (DSC, Radex, C80 and ARC) and expert advice.

Moreover, we are offering contract research and collaboration projects in the field of high-throughput formulation, process development and toll manufacturing for dispersion formulation, coating and chemical synthesis from lab to production scale.

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