

# ORGANIC PROCESS RESEARCH & DEVELOPMENT

The Leading Process Chemistry Conference and Exhibition

March 5-7, 2018 Clearwater, Florida, USA, Sheraton Sandkey Resort

## MONDAY 5 MARCH

From 8.00am Registration and Continental Breakfast

Morning Session Chairman:

**Dr Will Watson, Scientific Update Ltd**

8.55am **Opening Remarks**

9.00am **Dr Pär Holmberg,**  
Cambrex, USA  
*L-selectride as an Efficient Reagent for 3-O-demethylation of Opiates in the Development of a Manufacturing Process for Buprenorphine*

9.45am **Dr Paul Gauvreau,**  
Johnson Matthey, USA  
*The Evolution of a Production Process for Oxycodone HCl*

10.30am

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

ORGANIC PROCESS RESEARCH & DEVELOPMENT

**OPR&D**

11.15am

**Dr Adam Brown,**  
Pfizer, USA  
*Process Development Toward the Synthesis of a Gamma Secretase Modulator*

12.00

**Dr André de Vries,**  
InnoSyn B.V. The Netherlands  
*On the Freeway to Chirality (and Leaving the Resolutions Behind)*

12.45pm

**Lunch and Exhibition**

Afternoon Session Chairman:

**Dr Paul Murray, Catalysis Consulting Ltd**

2.00pm

**Dr Andrei Zlota,**  
The Zlota Company, LLC, USA  
*Quality by Design (QbD): A Progress Report from the Field*

2.45pm

**Dr Richard Fox,**  
Bristol Myers Squibb, USA  
*Highlights in the Development of a Commercial Synthesis for a Late-Stage Active Pharmaceutical Ingredient (API)*

3.30pm

**Coffee and Exhibition**

4.00pm

**Dr Susie Riegel,**  
Nanalysis Corp, Canada  
*Developments of Online Benchtop NMR as a Process Analytical Technology*

4.45pm

**Dr Xiao-Jun Wang,**  
Boehringer Ingelheim Inc. USA  
*Development on a Commercial Synthesis of Empagliflozin*

5.30pm

**End of Day 1  
Welcome Reception**

## TUESDAY 6 MARCH

From 7.30am Continental Breakfast served in the Bay Room

Morning Session Chairman:

**Dr André de Vries, InnoSyn B.V.**

8.25am **Opening Remarks**

8.30am **Dr. Hansjörg Lehmann,**  
Novartis Pharma AG, Switzerland  
*Scale-up of Hazardous Reactions: Is Flow Chemistry Inherently Safer than Batch?*

9.15am **Dr Paul Richardson,**  
Pfizer, USA  
*An Automated Platform for Expedited Reaction Optimization*

10.00am

**Dr Dave Leitch,**  
GlaxoSmithKline Pharmaceuticals Inc. USA  
*A Combined High-Throughput and Mechanistic Approach to the Development of Catalytic Reactions for API Synthesis*

10.45am

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

 Scale-up Systems

11.15am

**Dr Zhe Wang,**  
Abbvie, USA  
*Safety Concerns Associated with Using Acetonitrile and a Strong Aqueous Base*

12.00 noon

**Dr Tomáš Šmejkal,**  
Syngenta Crop Protection AG, Switzerland  
*Transition Metal Catalysis for the Synthesis of Agrochemicals*

12.45pm

**Lunch and Exhibition  
Conference ends after lunch**

**Optional short course:**

**SCALING UP HAZARDOUS CHEMISTRY**

2.00 - 5.30pm | Sundial Meeting Room, 4th Floor

This short course will examine what constitutes hazardous chemistry and then describe the various testing methods that can be applied to hazardous chemistry. The course will include several industrial case studies and recommendations on how to proceed with the development of a hazardous process.

**Tutor:** Dr Will Watson, Scientific Update Ltd

## WEDNESDAY 7 MARCH

From 7.30am Continental Breakfast served in the Bay Room

Morning Session Chairman:

**Dr Will Watson, Scientific Update Ltd**

8.25am **Opening Remarks**

8.30am **Dr Qiang Yang,**  
Dow AgroSciences LLC, USA  
*Evaluation of Potential Reactive Chemistry Hazards Associated with the Suzuki-Miyaura Cross Coupling of Aryl Bromides with Potassium Vinyltrifluoroborate*

9.15am

**Professor C. Oliver Kappe,**  
University of Graz, Austria  
*On-Site On-Demand Continuous Generation of Reagents and Intermediates*

10.00am

**Coffee and Exhibition**

10.45am

**Dr Michael Parmentier,**  
Novartis, Switzerland  
*Building a Toolbox for Chemistry using Surfactant in Water*

11.30am

**Dr Andy Teasdale,**  
AstraZeneca, UK  
*A day in the life of an Impurities Advisor – Reflection on Challenges and Solutions to Problems Encountered and Lessons Learnt*

12.15pm

**CONFERENCE ENDS  
Boxed lunches available**