

# The Scale-Up of Chemical Processes



**SCIENTIFIC  
UPDATE**

*We've got chemistry*

*A 3-day Conference and Exhibition*

**Radisson Rochester Hotel, Riverside, Rochester, USA**  
*21 - 23 June 2017*



## PROGRAMME

### Tuesday, June 20<sup>th</sup> 2017

- 15.00 – 17.30      **Exhibition Set-up**  
19.30 – 21.30      **Speakers' Reception**

### Wednesday, June 21<sup>st</sup> 2017

- From 8.15          **Registration**

**Morning Session Chairman:**    *Dr Will Watson | Scientific Update, UK*

- 8.55                  **Opening Remarks**
- 9.00                  **Dr Jim Bruno** | Chemical & Pharmaceutical Solutions, USA  
*Continuous Processing and the FDA*
- 9.45                  **Dr Olivier Dapremont** | Ampac Fine Chemicals, USA  
*Development of a continuous chromatographic step for the production of an API: from screening to multi ton separation*
- 10.30                **Coffee and Exhibition – Coffee Break kindly sponsored by Scale-Up Systems**



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- 11.00                **Dr Shengquan Duan** | Pfizer, USA  
*Commercial Manufacturing Process Development for Ibrance (palbociclib)<sup>®</sup>*
- 11.45                **Dr Wim Dermaut** | Agfa Materials, Belgium  
*Scale up of a bromination process by combining a flow reaction with a batch reaction*
- 12.30                **Lunch and Exhibition**

**Afternoon Session Chairman:**

- 2.00                  **Dr Vincent Ferey** | Sanofi, France  
*Some aspects in the scale-up management of a challenging spirooxindole compound derivative*
- 2.45                  **Dr Adi Kattuboina** | AMRI, USA  
*Optimization of a Directed Hydrogenation by Design of Experiments*
- 3.30                  **Coffee and Exhibition**

- 4.00 **Dr Pär Holmberg** | Cambrex, USA  
*A Novel Industrial Process for the Manufacturing of Hydromorphone from Hydrocodone*
- 4.45 **Dr Alex Kolchinski** | Johnson Matthey Pharma Services, USA  
*Process Development, Solid-Phase Characterization and Multi-Kilo Production of Metalloporphyrin AEOL 10150*
- 5.30 **Welcome Reception kindly sponsored by**



## Thursday, June 22<sup>nd</sup> 2017

### Morning Session Chairman:

- 8.25 **Opening remarks**
- 8.30 **Mr Abraham Schuitman** | Dow, USA  
*Title to be confirmed*
- 9.15 **Speaker to be confirmed** | Hovione, Country  
*Title of Talk*
- 10.00 **Dr Sebastian Härtner** | **EMD Performance Materials** is a business of Merck KGaA, Darmstadt, Germany  
*Smart scale up, establishing a modular multi process concept supported by flow chemistry*
- 10.45 **Coffee and Exhibition**
- 11.15 **Dr John W. Harder** | Kodak, USA  
*Industrial Process for the Manufacture of an Oxazole UV Dye for Graphics Application*
- 12.00 **Mr John F. MacGregor** | ProSensus, USA  
*Data-Driven, Model-Based Approaches to the Scale-Up, Transfer and Alignment of Processes*
- 12.45 **Lunch and Exhibition**
- 2.00 – Evening **SITE VISIT – Kodak**

Kodak Specialty Chemicals is located in Eastman Business Park, which is a 5-mile long, 1200-acre facility, and a city within a city. On the tour, see how Kodak employs its multipurpose facilities and principles of six-sigma and lean manufacturing in process development and operations to serve diverse markets such as Pharma and Agrochemicals. The tour will be followed by a catered dinner, drinks, and picture-taking with our Oscar statuette. Transportation to the event and back to the hotel will be provided.



## Friday, June 23<sup>rd</sup> 2017

**Morning Session Chairman:** *Dr Will Watson | Scientific Update, UK*

- 8.25                    **Opening remarks**
- 8.30                    **Dr Muhunthan Sathiosatham** | The Dow Chemical Company, USA  
*Process for Producing Methyl Methacrylate from Acetone Cyanohydrin & Sulfuric Acid*
- 9.15                    **Dr Paul Gauvreau** | Johnson Matthey, USA  
*The Evolution of a Production Process for Oxycodone HCl*
- 10.00                  **Dr Rich Fox** | Bristol Myers Squibb, USA  
*Highlights in the Development of a Commercial Synthesis for a Late-Stage Active Pharmaceutical Ingredient (BMS-911543)*
- 10.45                  **Coffee and Exhibition**
- 11.15                  **Dr Nizad Haddad** | Boehringer-Ingelheim, USA  
*Novel and Versatile BI-Dihydrobenzooxaphosphole-Based Ligands for Practical Synthesis of APIs*
- 12.00                  **Dr Hannah Murnen** | Compact Membrane Systems, USA  
*Drying TBHP/Nonane by Pervaporation*
- 12.45                  **Conference Ends with boxed lunches**
- 2.30 – 5.00pm        **OPTIONAL SHORT COURSE –  
Polymorphism & Crystallisation**

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

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.

## CONFERENCE GOLD SPONSOR

