

Organic Process Research & Development



**SCIENTIFIC
UPDATE**

We've got chemistry

A 3-day Conference and Exhibition

Sheraton Center Hotel | Toronto, Canada

PROGRAMME

Monday 17th June 2019

From 8.15 **Registration and morning coffee**

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

8.55 **Opening Remarks**

9.00 **Dr Philip Wheeler | Umicore, USA**
Beyond Macrocycles: Bond Disconnections Enabled by Olefin Metathesis

9.45 **Dr Margaret Faul | Amgen, USA**
Innovation in Process Development to Advance Novel Therapeutics

10.30 **Coffee and Exhibition**

11.15 **Dr Sebastien Monfette | Pfizer, USA**
Process Development for Lorlatinib and Mechanistic Investigation into a Pd-Catalyzed Macrocyclization

12.00 **Dr Joe DiMartino | ACD Labs, USA**
A Technology-driven Approach to More Effective Impurity Lifecycle Management

12.45 **Lunch and Exhibition**

Afternoon Session Chairman: *Name to be confirmed | Organisation*

14.00 **Dr Robert Cox | AstraZeneca, UK**
Novel Catalysis and Optimisation Methods in the Manufacture of Lanabecestat

14.45 **Dr Steven Wisniewski | Bristol-Myers Squibb, USA**
Adventures in Atropisomerism: Synthesis of a Reversible BTK Inhibitor and Ventures Into Ni Catalysis

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



Scale-up Systems

16.15 **Dr Kaitlyn Gray | Corteva Agriscience™ Agriculture Division of DowDuPont**
Development of a Scalable Process for the Insecticide Tyclopyrazoflor

17.00 **Dr Boris Gorin | Alphora Research Inc, Canada**
Eribulin Mesylate, a Journey from Synthetic Route Discovery to Scale-Up Manufacture

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- 17.45 **End of Day 1**
- 17.45 **Welcome Drinks Reception**

Tuesday 18th June 2019

Morning Session Chairman: Dr Andy Jones | Pharma Consulting Associates

- 8.40 **Opening remarks**
- 8.45 **Dr Jason Mulder | Boehringer Ingelheim Pharmaceuticals, Inc., USA**
Development of an Efficient Asymmetric Synthesis of the Chiral Quaternary 5-Lipoxygenase Activating Protein Inhibitor
- 9.30 **Dr Andrea Adamo | Zaiput Flow Technologies, USA**
Membrane Based Continuous, Efficient, Single and Multistage Extraction for Flow and Batch Chemistry Applications
- 10.15 **Coffee and Exhibition and kindly sponsored by:**
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OPR&D
- 11.00 **Dr Nadine Kuhl | Merck Research Laboratories, USA**
Development of a Commercial Manufacturing Route for Verubecestat
- 11.45 **Dr John Suzuki | Takasago International Corporation, USA**
Advantages of Continuous Flow Manufacturing for Large Scale Production of API Intermediates
- 12.30 **Lunch and Exhibition:**

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2.00 – 5.30

OPTIONAL SHORT COURSE

Organofluorine Chemistry- Past, Present and Future

The aim of this short course is to highlight the reasons fluorine is ubiquitous in the pharmaceutical and fine chemical industries, summarize the traditional methods for preparing organofluorine compounds and highlight new developments in the field.

Tutor: Dr John Studley | Scientific Update Ltd

Tuesday 18 June 2019 | 2.00pm until 5.30pm

Short course fee = \$460.00

2.00-6.00

Optional Site Visit to the Eurofins Alphora Site

Tuesday 18 June 2019 | 2.30pm until 4.30pm

All participants and guests are invited to visit Eurofins CDMO Alphora facilities in Mississauga. Visitors will have the opportunity to have a full tour of Operations as well as our state of the art laboratories for R&D, Analytical and Formulation Finished Products. Transportation and catering will be provided.

Please visit our website at www.alphoraresearch.com

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Wednesday 19th June 2019

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

- 8.25 **Opening remarks**
- 8.30 **Dr Philipp Kohler** | Idorsia, Switzerland
Dr Johannes Burkhard | Dottikon, Switzerland
Scalable Process for the Production of a Highly Energetic Bromoacetylene Building Block
- 9.15 **Elçin İçten** | Amgen, USA
Virtual Plant for Synthetic Continuous Manufacturing via Integrated Systems-based
- 10.00 **Coffee and Exhibition**
- 10.45 **Dr Xiaoyong Li** | Corteva Agriscience, Agricultural Division of DowDuPont, USA
Safety Evaluation of the Copper-Mediated Cross-Coupling of 2-Bromopyridines with Ethyl Bromodifluoroacetate
- 11.30 **Name to be confirmed** | Organisation, Country
Title to be confirmed
- 12.15 **Conference Ends, Boxed lunches available**

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