

The Scale-Up of Chemical Processes Conference



Andel's by Vienna House Prague, Prague, Czech Republic
25 – 27 June 2018



PROGRAMME

Monday 25 June 2018

From 08.15 **Registration and morning coffee**

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

08.55 **Opening Remarks**

09.00 **Dr Ron Leng** | Dow Chemical, **USA**
Developing Solids Formation & Isolation Processes with a View to Scale-Up

09.45 **Dr James Birbeck** | Croda, **USA**
Scale-Up of a Reactive Chemical Process Utilising Continuous Oscillatory Baffled Reactor (COBR) Technology from Laboratory to Multi-Ton Pilot Scale Manufacturing

10.30 **Coffee and Exhibition**

11.15 **Dr Xin Linghu** | Ideaya Biosciences, **USA**
Process Development for the Multi-Kilogram-Scale Synthesis of ERK Inhibitor GDC-0994

12.00 **Dr Nathan Yee** | Boehringer Ingelheim Pharmaceuticals. Inc., **USA**
Challenges and Opportunities in Scaling-Up Catalytic Reactions for API Syntheses

12.45 **Lunch and Exhibition**

Afternoon Session Chairman: *Name, Company, Country*

14.00 **Dr Jeremy Parker** | AstraZeneca, **UK**
Making Magic Bullets – Development and Manufacture of a Tubulysin Antibody-Drug Conjugate Payload

14.45 **Dr Hannah Murnen** | Compact Membrane Systems, **USA**
Using Membrane Pervaporation for the Dehydration and Degassing of Solvents for Reuse in Chemical Manufacturing

15.30 **Coffee and Exhibition**

16.15 **Dr Stephan Mix** | Almac Group, **UK**
Bioprocess Scale up Challenges and Solutions

17.00 **Dr Ulrich Notheis** | Saltigo GmbH, **Germany**
Heat-Balanced Based Real Time Monitoring of a Grignard Reaction on a Technical Scale

17.45 **End of Day 1**

17.45 – 19.45 **Welcome Reception**

Tuesday 26 June 2018

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

- 08.55 **Opening remarks**
- 09.00 **Dr Jim Rutherford** | Keit Spectrometers, **UK**
And Now for Something Completely Different: A Solid-State FTIR for Chemical Process Control
- 09.45 **Dr Stephen Rowe** | DEKRA, **UK**
Assuring Process Safety of an Energetic Epoxidation Process
- 10.30 **Coffee and Exhibition**
- 11.15 **Dr Peter Pöchlauer** | Patheon, **Austria**
Scaling Up of Continuous Flow Processes for Active Pharmaceutical Ingredients (APIs) linking the Manufacturing of APIs to their Formulation
- 12.00 **Dr Charles Gordon** | Britest Ltd, **UK**
Effective De-Risking of Process Scale-Up: The Britest Approach
- 12.45 **Lunch and Exhibition**
- 14.00 – 17.30 **OPTIONAL SHORT COURSE -**

SOLVENTS AND SOLVENT SELECTION IN CHEMICAL MANUFACTURING

Tutor: Dr Andy Wells

The following topics will be covered:

- >Trends in solvent use in the pharmaceutical industry
- >EU legislation – Substances of very high concern (SVAC) list
- >Uptake of new/ emerging solvents
- >Resources for solvent selection – available guides and interpretation
- >Solvent recovery/minimisation of solvent use

Wednesday 27 June 2018

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

- 8.55 **Opening remarks**
- 9.00 **Dr Alan Steven** | AstraZeneca, **UK**
Route and Process Design for AZD1656, a Glucokinase Activator
- 9.45 **Professor Marino Nebuloni** | Università degli Studi di Parma, **Italy**
Crystallization Process: Strategy in Physic-Chemical Properties Assessment to Ensure Product Quality
- 10.30 **Coffee and Exhibition**
- 11.00 **Dr Allan Ader** | Safebridge Consultants Inc, **USA**
Risk Assessment for Worker Safety and Product Protection in the Scale-up of Synthetic Processes
- 11.45 **Dr Andy Wells** | Charnwood Technical Consulting, **UK**
A Review of Progress in the Scale-Up of Synthetic Biology Based Routes to Fine and Bulk Chemicals
- 12.30 **Conference Ends, Boxed lunches available**