

Polymorphism & Crystallization Conference



**SCIENTIFIC
UPDATE**

We've got chemistry

A 2-day Conference and Exhibition

Royal Sonesta Hotel | Cambridge, Boston, USA

PROGRAMME

Monday, April 8, 2019

From 8.15 **Registration**

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

8.55 **Opening Remarks**

9.00 **Dr David Maillard | Merck, Germany**
Case Studies in Crystallization Process Design and Development

9.45 **Mr Richard Becker | Blaze Metrics, USA**
Next Generation Technology for Insitu Polymorph Detection and Transition Tracking

10.30 **Coffee and Exhibition**

11.15 **Dr Henry Morrison | Gilead, USA**
Use of Twin Screw Extruders as a Process Chemistry Tool: Application of Mechanochemistry to Support Early Development Programs

12.00 **Dr Kazuhiro Takeguchi | Astellas, Ireland**
Polymorph Control in Pharmaceutical Crystallization and Scale-Up

12.45 **Lunch in the Dante Restaurant**

Afternoon Session Chair: *Dr Chris Worrall | Johnson Matthey*

2.00 **Dr Samir Kulkarni | Pfizer, USA**
The Application of Pharmaceutical Cocrystals in Process Design and Development

2.45 **Dr Ann M. Czyzewski | AbbVie, USA**
Use of a Polymer Additive To Enhance Impurity Rejection in the Crystallization of a Pharmaceutical Compound

3.30 **Coffee and Exhibition**

4.15 **Dr Shanming Kuang | Crystal Pharmatech, USA**
Case Studies on Controlling Solid State Attributes of Drug Substances by Crystallization

5.00 **Dr Rolf Hilfiker | Solvias AG, Switzerland**
Development of Methods to Quantify Solid Form Purity

5.45 **End of Day 1**

6.00 **Welcome Reception – Drinks and Canapes served in the Riverfront Room**

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Tuesday, April 9, 2019

Morning Session Chair: Dr Rolf Hilfiker | Solvias AG

8.10 **Opening remarks**

8.15 **KEYNOTE SPEAKER**
Dr Susan M. Reutzel-Edens | Eli Lilly and Company, USA
Inconvenient Truths about Solid Form Landscapes



09.15 **Dr Rositza Petrova | Merck, USA**
From Crystal Structure to Isolation Process and Formulation Selection

10.00 **Coffee and Exhibition**

10.45 **Dr Ramana Susarla | Dr Reddy's, India**
Precipitation of Fine API Slurries via Ehrfeld® Valve Assisted Micromixer: Impact of Stabilizers on Nucleation Behavior and Particle Size

11.30 **Dr Simon Bates | Triclinic Labs, Inc., USA**
Solid State Crystallization Kinetics from Amorphous Forms

12.15 **Lunch in the Dante Restaurant**

Afternoon Session Chair: Dr Will Watson | Scientific Update Ltd

1.30 **Dr André De Vries | InnoSyn B.V, The Netherlands**
On the Freeway to Chirality: Viedma Ripening and Preferential Crystallization

2.15 **Dr Chris Worrall | Johnson Matthey, UK**
Crystallisation Approaches to Controlling Particle Morphology along the Salt / Cocrystal Continuum and the Importance of Particle Measurement Tools for Success

3.00 **Dr Helen Shi and Dr Jicong Li | Vertex, USA**
Surprisingly Complex Phase Behavior of 3,5,5-trimethylpyrrolidin-2-one Affecting Its Chiral Purity Enrichment Through Crystallization

3.45 **Conference Ends**

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