



SCIENTIFIC
UPDATE

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Organic Process & Research Development

June 22 - 24, 2022 | New Orleans

Wednesday, June 22, 2022

8.15 am Registration and Morning Coffee

Morning Session Chair | **Dr John Studley**, Scientific Update Ltd

8.55 am Opening Remarks

9.00 am **Dr Chris Senanayake** | TCG GreenChem Inc., USA
Important Asymmetric and Catalytic Transformations for Drug Development

9.45 am **Dr Daniel Zell** | Genentech, USA
Development of a Manufacturing Process to the pan-RAF inhibitor Belvarafenib (GDC-5573)

10.30 am Coffee Break and Visit Exhibition Booths

11.15 am **Dr Russell Cink** | AbbVie, USA
Process Development for Glecaprevir

12.00 pm **Dr Rogelio P. Frutos** | Boehringer Ingelheim, USA
Synthesis of PDE4B Inhibitors

12.45 pm Lunch and Visit Exhibition Booths

Afternoon Session Chair | **Dr Will Watson**, Scientific Update Ltd

2.00 pm **Name to be confirmed** | Umicore, USA
Title to be confirmed

2.45 pm **Dr Alison Campbell Brewer** | Eli Lilly, USA
Development and Scale-Up of a Direct Asymmetric Reductive Amination with Ammonia

3.30 pm Coffee Break and Visit Exhibition Booths

4.15 pm **Dr Masahiko Seki** | Tokuyama Corporation, Japan
Novel and Efficient Catalytic System for Ketone Synthesis: An Expedient Approach to Pharmaceuticals"

5.00 pm **Dr Emma Gardener** | Cheminformatics Technologies, MilliporeSigma – A Business of Merck KGaA, USA
SYNTHIA™ Retrosynthesis Software – Novel and efficient in silico pathway design validated at the bench

5.45 pm End of Day 1
[Welcome Drinks Reception](#)



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Thursday, June 23, 2022

Morning Session Chair

8.25 am Opening Remarks

8.30 am **Dr Andy (Aniruddh) Singh** | Asha Pharma, USA
Cocrystals: A "New" Approach to Finding Suitable Drug Development Candidates

9.15 am **Dr Dustin Bringley** | Gilead, USA
Process Development and Scale-Up in the Synthesis of Rovafovir Etalafenamide

10.00 am Coffee Break and Visit Exhibition Booths

10.45 am **Dr Meghan Shaw** | Merck, USA
Biocatalytic Redox Reactions for Green and Sustainable Processes

11.30 pm **Name to be confirmed** | Kaneka, USA
Title to be confirmed

12.15 pm Lunch and Visit Exhibition Booths

Conference adjourns after lunch.

Optional Short Course | Organocatalysis- Using Small Molecules to Drive Synthetic Reactions **Dr John Studley** | Scientific Update Ltd

2.00 pm – 5.00 pm Over the past decade the application of small-molecule organic catalysts to solve synthetic problems has gained traction in both industrial and academic settings. A wide and expanding range of catalyst classes and diverse activation modes in combination with increased mechanistic understanding and practical applicability has fuelled their use across many areas of synthesis, including asymmetric catalysis and construction of important chiral molecules and building blocks. Small molecule organic catalysts offer a range of practical advantages over macromolecular (enzyme) or precious metal catalysts, including air and water stability, low cost, availability from renewable resources and relatively low toxicity. Organocatalysis is recognised as an inherently green technology and often has no counterpart in the more established catalysis regimens. The 2021 chemistry Nobel prize was awarded to Benjamin List and David MacMillan for their pioneering work in this area.

This short course will focus on the development and application of small molecule organocatalysts, including examples and case studies from an industrial setting. The content will be of interest to organic chemists- both in industry and academia- and anyone interested in finding out more about this important area of catalysis.



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Friday, June 24, 2022

Morning Session Chair | **Dr John Studley**, Scientific Update Ltd

8.25 am Opening Remarks

8.30 am **Dr Nga Do** | Pfizer, USA
Title to be confirmed

9.15 am **Dr Stefanie Roeper** | Vertex Pharmaceuticals, USA
Title to be confirmed

10.00 am Coffee Break and Visit Exhibition Booths

10.45 am **Dr Thomas Kendall** | Technobis, USA
Importance of Solid Form and Crystallization in the Removal of Impurities

11.30 pm **Dr David Ford** | Snapdragon Chemistry, Inc., USA
Enabling Flow Chemistry R&D with Smart Tools to Manage Complexity

12.15 pm End of Day 3 and Conference
[Boxed lunch available](#)

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