

# Organic Process & Research Development



## PROGRAMME

*9-11 December 2020, Virtual*

From 2.00pm (UK); 3.00pm (Central Europe); 9.00 am (EST); 6.00 am (PST) each day

### Wednesday 9 December

**Session Chair:** *Dr John Studley, Scientific Update Ltd*

2.00pm **Opening Remarks – Dr John Studley**

2.05pm **Dr Serena Fantasia** | F. Hoffmann-La Roche Ltd, Switzerland  
*Turning literature procedures into robust processes: Arts and Crafts of a PR&D chemist*

2.50pm **Dr Cynthia Hong** | Merck & Co., Inc., USA  
*The Development of a Greener Process to 2-fluoroadenine for Islatravir*

3.35pm **Break**

4.00pm **Dr George Li** | GlaxoSmithKline, USA  
*Convergent Synthesis of the NS5B Inhibitor GSK8175 Enabled by Transition Metal Catalysis*

4.45pm **Switch over time - Grab a coffee and join us on Zoom!**

5.00pm **Hosted Discussion Sessions – Session 1 (choose 1)**

**Room 1 | Johnson Matthey**  
*Catalysis for fine chemicals: Opportunities for optimized processes*

**Room 2 | Technobis Crystallization Systems**  
*Solvent Selection in Pharmaceutical Crystallization Process Development*

**Room 3 | PhosphonicS**  
*Optimising scavenging processes for more sustainable and cost effective chemical processes*

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## Thursday 10 December

**Session Chair:** *Dr Will Watson, Scientific Update Ltd*

- 2.00pm **Opening Remarks – Dr Will Watson**
- 2.05pm **Dr Danny Mortimer** | Johnson Matthey, UK  
*Improving Hydrogenation Performance with Heterogeneous Catalysts*
- 2.50pm **Professor C Oliver Kappe** | University of Graz, Austria  
*From Flow Chemistry in the Lab towards Industrial Implementation on Scale – Case Studies on Continuous Flow Chemistry*
- 3.35pm **Break**
- 4.00pm **Dr Robert Singer** | Pfizer, USA  
*Applications of Pd-Catalyzed Couplings to Industrial Processes*
- 4.45pm **Switch over time - Grab a coffee and join us on Zoom!**
- 5.00pm **Hosted Discussion Sessions – Session 2 (choose 1)**
- Room 4 | Scale Up Systems**  
*Kinetics Workshop – Converting Experimental Data to Process Knowledge*
- Room 5 | Merck**  
*Supporting Chemical Synthesis and Applications from Bench to Bulk Scale*
- Room 6 | Umicore**  
*Sustainable Chemistry Enabled by Precious Metal Catalysis*

## Friday 11 December

**Session Chair:** *Dr John Studley, Scientific Update Ltd*

- 2.00pm **Opening Remarks – Dr John Studley**
- 2.05pm **Mr James Morrison** | AstraZeneca, UK  
*React, racemise, recycle, repeat: Generating value from a waste stream in the manufacture of Lanabecestat*
- 2.50pm **Dr Jérôme Boni** | Novasep, France  
*How to develop large scale chromatographic purification processes for APIs – a practical approach for process development and scale-up.*
- 3.35pm **Break**
- 4.00pm **Professor Harald Gröger** | Bielefeld University, Germany  
*Alternative Retro-Synthetic Approaches towards Fine Chemicals & Pharmaceuticals by means of Enzyme Catalysis*
- 4.45pm **Virtual Conference Ends**

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