

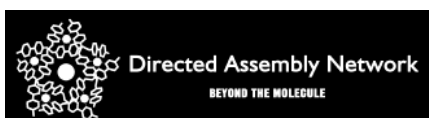
BCA Joint Chemical and Industrial Group Autumn Meeting

Design of Crystalline Products

Downing College, Cambridge
21st-22nd November 2017

Agenda

Meeting Sponsors



Tuesday 21st November

- 10:00** **Registration/coffee**
- 10.25** **Introduction (IG chair or CCG chair if available)**
- 10:30** **Session 1: Crystal Engineering**
Chairs: Iain Oswald (University of Strathclyde) and Luca Russo (GSK)
- 10:30-11:30 Crystal Engineering with Sulfur Functional Groups
Simon Lawrence, University College Cork
- 11:30-12:00 Investigating Polytypic Single Crystals Using Nanoindentation
Andrew Bond, University of Cambridge
- 12:00-12:30 Targeted Crystallisation of Computationally Predicted Polymorphs
Dr. Vijay Srirambhatla, University of Strathclyde
- 12:30** **Lunch**
- 13:30** **Session 2: Pharmaceutical Product Design**
Chairs: Peter Wood (CCDC) and Mathew Bryant (CCDC)
- 13:30-14:00 Digital Solid Form and Particle Design in the Pharmaceutical Industry
Kevin Back, Pfizer
- 14:00-14:30 The Crystal Morphology and Growth Kinetic Mechanisms of alpha para
Aminobenzoic acid
Ian Rosbottom, University of Leeds
- 14:30-15:00 Title
Nick Blagden, University of Lincoln
- 15:00** **Coffee Break**
- 15:30** **Session 3: Early Career Session**
Chairs: Cheryl Doherty (Pfizer) and Claire Hobday (University of Bath)
- 15:30-15:50 Early Career Presentation
Mathilde Reinle-Schmitt, Excelsus Structural Solutions (Swiss) AG
- 15.50-16:10 Early Career Presentation
Hamish Yeung, University of Oxford
- 16:10-17:00 Discussion/Question session
All
- 17:00** **AGM for IG**
- 17:30** **Close**
- 19:00 for 19.30 Dinner**

Wednesday 22nd November

09:00 **Session 4: Crystallisation & Crystallisability**
Chairs: Richard Cooper (University of Oxford) and Cheryl Doherty (Pfizer)

09:00-10:00 Crystal Engineering of Task-Specific Materials
Mike Zaworotko, University of Limerick

10:00 **Coffee Break**

10:30-11:00 Aromatic Stacking – a Key Step in Nucleation
Aurora Cruz-Cabeza, University of Manchester

11:00-11:30 Ranking Structural Models Using NMR Crystallography
Andrew Tatton, University of Oxford and Astra Zeneca

11:30-12:00 Particle Diversity Screening for Crystallisation Development
Melissa Birch, Pfizer

12:00 **Lunch**

13:00 **Session 5: Non-Ambient Diffraction**
Chair Mike Probert

13:00-13:30 Insight into the $t_{1/2}$ vs. t (liesst) Relationship from an Isostructural Series of Spin-Crossover Solvates
M.A. Halcrow, University of Leeds

13:30-14:00 A Sapphire Capillary Pressure Cell for the Small Molecule Beamline I19 at Diamond Light Source
Charlie McMonagle, University of Edinburgh/Newcastle

14:00 **Coffee Break**

14:30 **Session 6: Property Control & Prediction**
Chairs: Stephen Moggach (University of Edinburgh) and Luca Russo (GSK)

14:30-15:00 Direct Observation of Templated Two-Step Nucleation Mechanism During Olanzapine Hydrate Formation
Monika Warzecha, University of Strathclyde

15:00-15:30 Title
Jack D. Evans, Chimie ParisTech

15:30-16:00 Title
Graeme Day, University of Southampton

16:00 **Close**