

The 8th International Symposium on Solid Oral Dosage Forms

Preliminary program

Monday, 22 September

16.00 – 16.30 Registration & Poster mounting

16.30 – 16.40 **Opening of the conference**
Göran Frenning, Uppsala University, Sweden

Chair: *Göran Frenning, Uppsala University, Sweden*

16.40 – 17.20 **Plenary lecture: Powder compression and compaction – assessment and prediction**
Göran Alderborn, Uppsala University, Sweden

17.20 – 17.50 **GaBi Award: Oral delivery of macromolecules formulated with permeation enhancers**
Staffan Berg, AstraZeneca, Sweden

17.50 – 19.30 **Poster Session and Exhibition with Welcome Mingle**

Tuesday, 23 September

08.00 – 8.45 Registration & Poster mounting

08.45 – 8.55 Welcome

SESSION 1: Manufacturing

Chair: *Göran Frenning, Uppsala University*

08.55 – 9.40 **Plenary lecture: Sustainability and life cycle analysis**
George Grimsey Jones, Croda International, UK

09.40 – 10.05 **Artificial intelligence and machine learning in tablet manufacturing**
Anne Juppo, University of Helsinki, Finland

10.05 – 10.35 **Coffee, Posters & Exhibition**

10.35 – 11.00 **Selection of excipients to design Continuous Manufacturing Processes**
Pirjo Tajarobi, AstraZeneca, Sweden

11.00 – 11.25 **Technology transfer from batch to continuous manufacturing**
Ossi Korhonen, University of Eastern Finland, Finland

11.25 – 11.50 **Solid-state characterisation to guide formulation optimisation**
Martin Lindsjö, Magle Chemoswed, Sweden

11.50 – 13.00 **Lunch**

SESSION 2: Prediction and advanced characterization

Chair: *Ann-Sofie Persson, Uppsala University*

13.00 – 13.45 **Plenary lecture: 'AI and simulation – a new era for accelerated pharmaceutical development'**
Gavin Reynolds, AstraZeneca, UK

13.45 – 14.10 **Digital process design – digital twin/PBPK model software**
Guillermo Jimeno, Siemens, UK

14.10 – 14.40 **Accelerated development of complex oral solid dosage forms: impact of process parameters of quality attributes**
Friedrike Guetter, Korsch AG, Berlin

14.40 – 15.05 **Coffee, Posters & Exhibition**

15.05 – 15.30 **Modelling powder compression and compaction – nonlocal elastoplastic-adhesive contact model**
Göran Frenning, Uppsala University, Sweden

15.30 – 15.55 **Insights to solid formulations – analytical tools for the micro-scale structural analysis**
Denny Mahlin, RISE, Sweden

15.55 – 16.20 **From material to product Performance: digital-driven formulation design**
Daniel Markl, University of Strathclyde, UK

16.20 – 16.45 **Cracking the code for oral amorphous drugs**
Staffan Schantz, AstraZeneca, Sweden

17.30 – 18.30 **Posters, Exhibition & drinks**

19.00 *Symposium Dinner*

Wednesday, 24 September

08.30 – 8.45 Welcome

SESSION 3: Further developments

Chair: Nelly Fransén, Arex Advisor, Stockholm

08.45 – 9.30 **Plenary lecture: Regulatory aspects of excipients**
Lotte Kok, Novo Nordisk, Denmark and IPEC Europe

09.30 – 9.55 **PHARMECO advancing SSbD practices in pharmaceutical manufacturing**
Nicolaas Schipper, RISE, Sweden

09.55 – 10.25 **Coffee, Posters & Exhibition**

10.25 – 10.50 **Porous algae cellulose for stable amorphous solid dispersions**
Albert Mihranyan, Veltio Pharma and Uppsala University, Sweden

10.50 – 11.15 **Accelerating use of new excipient suppliers**
Iain Moore, EXCiPACT, BE

11.15 – 11.30 **Phase separation during dissolution of amorphous solid dispersions revealed by time-resolved S/WAXS tomography**
Martina Olsson, Chalmers University of Technology, Gothenburg, Sweden

11.30 – 12.00 **Struggling with bioavailability? - from salt formation to amorphous solid dispersions**
Timothy Pas, Ardena, Gent, BE

12.00 – 13.15 **Lunch**

SESSION 4: New developments

Chair: Lourdes Paola, AstraZeneca, Mölndal

13.15 – 14.00 **Plenary lecture: understanding formulation development better through machine learning analysis**
René Holm, University of Southern Denmark

14.00 – 14.25 **Fully amorphous hybrid nanoparticles with enhanced clinical properties – scaling hyNap™ to GMP and regulatory approval**
Per Andersson, XSpray, Sweden

14.25 – 15.00 **Coffee, Posters & Exhibition**

15.00 – 15.15 **Aldehyde impurities in poloxamer excipients might degrade the active ingredients of a drug**
Ingrid Marle, AstraZeneca, Mölndal, Sweden

15.15 – 15.40 **Extemporaneous preparations, precision medicines and individualised dosage forms for a sustainable health care**
Mattias Paulsson, Uppsala University, Sweden

15.40 – 15.50 Closing remarks

Sponsors

