CGOM14

Programme

Sunday September 11, 2022

Registration

Welcome Reception

End of the Day

Programme

Monday September 12, 2022

Opening Remarks

PL01 - The Elementary Reactions for Incorporation Into Crystals

Dr Peter VEKILOV
(UNIVERSITY OF HOUSTON, Houston, United States)

IL01 - Droplet-based Crystallization

Dr Stéphane VEESLER
(CNRS - AIX MARSEILLE UNIVERSITÉ, MARSEILLE, France)

Coffee Break

Exhibition Overview

Lunch Break, Exhibition & Poster Session

IL02 - Solid Form Screening Enhanced by Advanced Tools for Characterization of Pharmaceutical Compounds

Dr Mihaela POP
(TERACRYSTAL, Cluj Napoca, Romania)

OC01 - Understanding the Impact of Crystal Chemistry on the Comparative Crystallisation of Entacapone Polymorphic Forms and Their Directed Nucleation on Gold Templates

Dr Cai MA
(UNIVERSITY OF LEEDS, Leeds, United Kingdom)

OC02 - Comparative Study of Two Related Chiral Co-crystals: Crystallization Behaviors, Crystal Structures and Preferential Crystallization

Dr Clément BRANDEL
(UNIVERSITÉ DE ROUEN, Mont Saint Aignan, France)

OC03 - Carbamazepine/Tartaric Acid Ordered and Disordered Cocrystalline Forms: When Stoichiometry and Synthesis Method Matter

Dr Natalia CORREIA
(UNIVERSITY OF LILLE, Villeneuve d'Ascq, France)

Coffee Break

IL03 - Detecting and Avoiding Disappearing Polymorph Cases by Crystal Structure Prediction

Dr Marcus NEUMANN
(AVANT-GARDE MATERIALS SIMULATION GMBH, Merzhausen, Germany)

OC04 - Artificial Neural Networks for Co-crystal Prediction

Prof. Elias VLIEG
(INSTITUTE FOR MOLECULES AND MATERIALS, Nijmegen, The Netherlands)

End of the Day

Programme

Guided Tour in Brussels

Programme

Tuesday September 13, 2022

Welcome

PL02 - Solvent Selection Strategies

Mr Robert GEERTMAN
(JANSSEN PHARMACEUTICA NV, Beerse, Belgium)

IL04 - Continuous Crystallization in Microreactors

Prof. Simon KUHN
(KU LEUVEN, Leuven, Belgium)

Coffee Break

OC05 - Molecular, Solid-state and Surface Structures of the Conformational Polymorphic Forms of Ritonavir in Relation to Their Physicochemical Properties

Prof. Kevin ROBERTS
(UNIVERSITY OF LEEDS, Leeds, United Kingdom)

OC06 - Use of Multivariate Statistical Approach for Monitoring Crystallizations by Spatially Resolved Spectroscopy

Mr Romain KERSAUDY (UNIVERSITY OF LYON, Villeurbanne, France)
(SANOFI-AVENTIS DEUTSCHLAND GMBH)

OC07 - Development of Continuous Crystallization Processes

Ing Arne VANCLEEF
(KU LEUVEN, Diepenbeek, Belgium)

OC08 - Innovative Pathways to Chiral Resolution Using Cocrystallization Tools

Dr Oleksii SHEMCHUK
(UCLOUVAIN, Louvain-la-Neuve, Belgium)

Lunch Break, Exhibition & Poster Session

IL05 - Simulation of Impurity-induced Step Bunching

Prof. Jim LUTSKO
(UNIVERSITE LIBRE DE BRUXELLES, Bruxelles, Belgium)

OC09 - Order-Disorder Phase Transition Between High- and Low-*z′* Crystal Structures of *n,c*-Protected Dipeptide

Dr Ryusei OKETANI
(OSAKA UNIVERSITY, Toyonaka, Japan)

OC10 - Investigating the Role of Stochastic Ice Nucleation in the Freezing Process of Biopharmaceuticals

Mr Leif-Thore DECK
(ETH ZURICH, Zurich, Switzerland)

OC11 - Microfluidic Approach for Quantifying Nucleation Kinetcs

Dr Ruel CEDENO
(CNRS, MARSEILLE, France)

Coffee Break

Programme

IL06 - Nonlinear Optics: A Powerful Tool for the Characterization of Organic Crystallized Compounds

Prof. Valérie DUPRAY
(UNIVERSITY OF ROUEN, Mont-Saint-Aignan CEDEX, France)

OC12 - Crystallization Under Defined Non-equilibrium Conditions

Prof. Yves GEERTS
(ULB, Brussels, Belgium)

OC13 - High Throughput Single Crystal Formation in Core-shell Capsules

Dr Marie METTLER
(SECOYA-TECHNOLOGIES SRL, Belgium)

OC14 - High Angle Liquid Cell Tem Tomography for in Situ Observation and 3D Reconstruction from lp-tem

Dr Alejandro GOMEZ PEREZ
(NANOMEGAS SPRL, Brussels, Belgium)

End of the Day

Conference Dinner

Programme

Wednesday September 14, 2022

Welcome

PL03 - Nature Inspired Crystal Engineering: from Interactions to Applications
Prof. Fabrizia GREPIONI
(UNIVERSITY OF BOLOGNA, Italy)

IL07 - Risk Management in the Development of Amorphous Formulations
Dr Céline ROUGEOT
(UCB S.A., Brussels, Belgium)

Coffee Break

IL08 - Prediction of the Cocrystal Solubility Line Without the Use of Experimental Cocrystal Solubility Data
Prof. Adrian FLOOD
(VISTEC, Rayong , Thailand)

OC15 - Directional Crystallization from the Melt of Semiconductor Blend
Dr Guangfeng LIU
(UNIVERSITÉ LIBRE DE BRUXELLES, Brussels, Belgium)

OC16 - Transfer of Chirality Between a Sulfoxide and its Corresponding Prochiral Sulfone
Dr Gérard COQUEREL
(ROUEN UNIVERSITY, Rouen, France)

Closing Remarks

End of the Conference