CGOM14

Programme

Sunday September 11, 2022

18:30	**Registration**
19:30	**Welcome Reception**
22:00	**End of the Day**

CGOM14

Programme

Monday September 12, 2022

09:00 **Opening Remarks**

09:10 **PL01 - The Elementary Reactions for Incorporation Into Crystals**
Dr Peter VEKILOV
(UNIVERSITY OF HOUSTON, Houston, United States)

10:00 **IL01 - Droplet-based Crystallization**
Dr Stéphane VEESLER
(CNRS - AIX MARSEILLE UNIVERSITÉ, MARSEILLE, France)

10:30 **Coffee Break**

11:00 **Exhibition Overview**

12:15 **Lunch Break, Exhibition & Poster Session**

14:00 **IL02 - Solid Form Screening Enhanced by Advanced Tools for Characterization of Pharmaceutical Compounds**
Dr Mihaela POP
(TERACRYSTAL, Cluj Napoca, Romania)

14:30 **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)

14:50 **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)

15:10 **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)

15:30 **Coffee Break**

16:00 **IL03 - Detecting and Avoiding Disappearing Polymorph Cases by Crystal Structure Prediction**
Dr Marcus NEUMANN
(AVANT-GARDE MATERIALS SIMULATION GMBH, Merzhausen, Germany)

16:30 **OC04 - Artificial Neural Networks for Co-crystal Prediction**
Prof. Elias VLIEG
(INSTITUTE FOR MOLECULES AND MATERIALS, Nijmegen, The Netherlands)

16:50 **End of the Day**

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19:00 **Guided Tour in Brussels**

Programme

Tuesday September 13, 2022

09:00 **Welcome**

09:10 **PL02 - Solvent Selection Strategies**
Mr Robert GEERTMAN
(JANSSEN PHARMACEUTICA NV, Beerse, Belgium)

10:00 **IL04 - Continuous Crystallization in Microreactors**
Prof. Simon KUHN
(KU LEUVEN, Leuven, Belgium)

10:30 **Coffee Break**

11:00 **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)

11:20 **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)

11:40 **OC07 - Development of Continuous Crystallization Processes**
Ing Arne VANCLEEF
(KU LEUVEN, Diepenbeek, Belgium)

12:00 **OC08 - Innovative Pathways to Chiral Resolution Using Cocrystallization Tools**
Dr Oleksii SHEMCHUK
(UCLOUVAIN, Louvain-la-Neuve, Belgium)

12:20 **Lunch Break, Exhibition & Poster Session**

14:00 **IL05 - Simulation of Impurity-induced Step Bunching**
Prof. Jim LUTSKO
(UNIVERSITE LIBRE DE BRUXELLES, Bruxelles, Belgium)

14:30 **OC09 - Order-Disorder Phase Transition Between High- and Low-*z′* Crystal Structures of *n,c*-Protected Dipeptide**
Dr Ryusei OKETANI
(OSAKA UNIVERSITY, Toyonaka, Japan)

14:50 **OC10 - Investigating the Role of Stochastic Ice Nucleation in the Freezing Process of Biopharmaceuticals**
Mr Leif-Thore DECK
(ETH ZURICH, Zurich, Switzerland)

15:10 **OC11 - Microfluidic Approach for Quantifying Nucleation Kinetcs**
Dr Ruel CEDENO
(CNRS, MARSEILLE, France)

15:30 **Coffee Break**

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16:00 **IL06 - Nonlinear Optics: A Powerful Tool for the Characterization of Organic Crystallized Compounds**
Prof. Valérie DUPRAY
(UNIVERSITY OF ROUEN, Mont-Saint-Aignan CEDEX, France)

16:30 **OC12 - Crystallization Under Defined Non-equilibrium Conditions**
Prof. Yves GEERTS
(ULB, Brussels, Belgium)

16:50 **OC13 - High Throughput Single Crystal Formation in Core-shell Capsules**
Dr Marie METTLER
(SECOYA-TECHNOLOGIES SRL, Belgium)

17:10 **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)

17:30 **End of the Day**

19:30 **Conference Dinner**

Programme

Wednesday September 14, 2022

09:00 **Welcome**

09:10 **PL03 - Nature Inspired Crystal Engineering: from Interactions to Applications**
Prof. Fabrizia GREPIONI
(UNIVERSITY OF BOLOGNA, Italy)

10:00 **IL07 - Risk Management in the Development of Amorphous Formulations**
Dr Céline ROUGEOT
(UCB S.A., Brussels, Belgium)

10:30 **Coffee Break**

11:00 **IL08 - Prediction of the Cocrystal Solubility Line Without the Use of Experimental Cocrystal Solubility Data**
Prof. Adrian FLOOD
(VISTEC, Rayong , Thailand)

11:30 **OC15 - Directional Crystallization from the Melt of Semiconductor Blend**
Dr Guangfeng LIU
(UNIVERSITÉ LIBRE DE BRUXELLES, Brussels, Belgium)

12:00 **OC16 - Transfer of Chirality Between a Sulfoxide and its Corresponding Prochiral Sulfone**
Dr Gérard COQUEREL
(ROUEN UNIVERSITY, Rouen, France)

12:30 **Closing Remarks**

13:00 **End of the Conference**