

Programme

---

**Sunday September 11, 2022**

- 18:30

Registration
- 19:30

Welcome Reception
- 22:00

End of the Day

## Programme

### Monday September 12, 2022

- 09:00**      **Opening Remarks**
- 09:10**      **PL01 - The Elementary Reactions for Incorporation Into Crystals**  
Dr Peter VEKLOV  
(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**

Programme

19:00      Guided Tour in Brussels

## Programme

**Tuesday September 13, 2022**

- |              |                                                                                                                                                                                                                                         |
|--------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>09:00</b> | <b>Welcome</b>                                                                                                                                                                                                                          |
| <b>09:10</b> | <b>PL02 - Solvent Selection Strategies</b><br>Mr Robert GEERTMAN<br>(JANSSEN PHARMACEUTICA NV, Beerse, Belgium)                                                                                                                         |
| <b>10:00</b> | <b>IL04 - Continuous Crystallization in Microreactors</b><br>Prof. Simon KUHN<br>(KU LEUVEN, Leuven, Belgium)                                                                                                                           |
| <b>10:30</b> | <b>Coffee Break</b>                                                                                                                                                                                                                     |
| <b>11:00</b> | <b>OC05 - Molecular, Solid-state and Surface Structures of the Conformational Polymorphic Forms of Ritonavir in Relation to Their Physicochemical Properties</b><br>Prof. Kevin ROBERTS<br>(UNIVERSITY OF LEEDS, Leeds, United Kingdom) |
| <b>11:20</b> | <b>OC06 - Use of Multivariate Statistical Approach for Monitoring Crystallizations by Spatially Resolved Spectroscopy</b><br>Mr Romain KERSAUDY (UNIVERSITY OF LYON, Villeurbanne, France)<br>(SANOFI-AVENTIS DEUTSCHLAND GMBH)         |
| <b>11:40</b> | <b>OC07 - Development of Continuous Crystallization Processes</b><br>Ing Arne VANCLEEF<br>(KU LEUVEN, Diepenbeek, Belgium)                                                                                                              |
| <b>12:00</b> | <b>OC08 - Innovative Pathways to Chiral Resolution Using Cocrystallization Tools</b><br>Dr Oleksii SHEMCHUK<br>(UCLOUVAIN, Louvain-la-Neuve, Belgium)                                                                                   |
| <b>12:20</b> | <b>Lunch Break, Exhibition &amp; Poster Session</b>                                                                                                                                                                                     |
| <b>14:00</b> | <b>IL05 - Simulation of Impurity-induced Step Bunching</b><br>Prof. Jim LUTSKO<br>(UNIVERSITE LIBRE DE BRUXELLES, Bruxelles, Belgium)                                                                                                   |
| <b>14:30</b> | <b>OC09 - Order-Disorder Phase Transition Between High- and Low-z' Crystal Structures of <i>n,c</i>-Protected Dipeptide</b><br>Dr Ryusei OKETANI<br>(OSAKA UNIVERSITY, Toyonaka, Japan)                                                 |
| <b>14:50</b> | <b>OC10 - Investigating the Role of Stochastic Ice Nucleation in the Freezing Process of Biopharmaceuticals</b><br>Mr Leif-Thore DECK<br>(ETH ZURICH, Zurich, Switzerland)                                                              |
| <b>15:10</b> | <b>OC11 - Microfluidic Approach for Quantifying Nucleation Kinetics</b><br>Dr Ruel CEDENO<br>(CNRS, MARSEILLE, France)                                                                                                                  |
| <b>15:30</b> | <b>Coffee Break</b>                                                                                                                                                                                                                     |

## Programme

- 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 Ip-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**