

SOLVAY WORKSHOP

'Nucleation: multiple pathways multiple outcomes (7 - 9 December, 2022)

Venue: ULB - Campus Plaine - Boulevard de la Plaine - 1050 Bruxelles
Quartier Jaune - Building N.O - 5th Floor (SOLVAY Room)

WEDNESDAY 7 DECEMBER

09:30 - 10:00	Registration
10:00 - 10:15	Opening Remarks
10:15 - 11:15	Jeffrey Rimer: <i>Nucleation and Polymorphism of Open Frameworks: Navigating the Voids</i>
11:15 - 12:15	Yves Geerts: <i>Towards spin-directed enantiomeric excess by biased nucleation</i>
12:15 - 13:30	LUNCH BREAK
13:30 - 14:30	Susan Reutzel Edens: <i>Crystal polymorphs: Now you see them, now you don't</i>
14:30 - 15:30	Chantal Valeriani: <i>Nucleation: a simple and a complex case study</i>
15:30 - 16:00	COFFEE BREAK
16:00 - 17:00	Aurora Cruz-Cabeza: <i>Thermodynamics vs. Kinetics: Who wins the crystallisation race?</i>
17:00 - 19:00	Poster Session (7th Floor - Room 2NO 707)

THURSDAY 8 DECEMBER

09:30 - 10:30	Sally Price: <i>How can we find more polymorphs?</i>
10:30 - 11:30	Jerry Heng: <i>A Selective Nucleation Approach for the Purification of Proteins from Impure Solutions</i>
11:30 - 12:30	Peter Tompa: <i>Biophysical basis of LLPS in the formation of cellular membraneless organelles</i>
12:30 - 12:40	PHOTO
12:40 - 13:45	LUNCH BREAK
13:45 - 14:45	Dwaipayan Chakrabarti: <i>Programming crystal clear pathways for colloidal open crystals</i>
14:45 - 15:45	Fiona Meldrum: <i>Controlling crystallization using confinement and surface topography</i>
15:45 - 16:00	COFFEE BREAK
16:00 - 17:00	Solvay Colloquium - James de Yoreo: <i>Emulating Nature's Way of Making Materials</i>
19:30	BANQUET (Aux Armes de Bruxelles, Rue des Bouchers 13, 1000 Brussels)

FRIDAY 9 DECEMBER

09:30 - 10:30 Joop Ter Horst: *The unexpected dominance of secondary over primary nucleation*

10:30 - 11:30 Frank Schreiber: *Tuning protein aggregation and crystallization by charges*

11:30 - 12:30 Bart Kahr: *Mosquito meets crystal*

12:30 - 13:30

LUNCH BREAK

13:30 - 14:30 Robin Debuysschère: *Analysis of non-classical shear-induced nucleation mechanism*

14:30 - 15:00 Concluding remarks