

# Solvay Workshop on "Directional Nucleation and Growth of Molecular Crystals" Nov. 26-28, 2014 Programme

## Wednesday November 26, 2014

<b>09:30</b>	<b>10:00</b>	<b>REGISTRATION and starting Coffee</b>	
10:00	10:20	<i>Welcome and introduction by Yves Geerts (Université Libre de Bruxelles)</i>	
10:20	11:00	Grégoire Nicolis Université Libre de Bruxelles	Kinetics, statistics and thermodynamics of fluctuation-induced transitions between metastable states
11:00	11:40	Dominique Maes Vrije Universiteit Brussel	Protein clusters and crystals
11:40	12:20	Alain Jonas Université Catholique de Louvain	Controlling orientation by crystallization in confinement: principles and application to ferroelectric devices
12:20	13:00	Basab Chattopadhyay ULB & Indian Association for the Cultivation of Science	Substrate Induced Crystalline Phases
<i>13:00</i>	<i>14:00</i>	<i>Sandwich Lunch and informal discussions</i>	
14:00	14:40	Guillaume Schweicher Université Libre de Bruxelles	Directional Crystal Growth of Molecular Semiconductors
14:40	15:20	Christian Maes KULeuven	Statistical forces outside equilibrium
<i>15:20</i>	<i>15:50</i>	<i>Coffee break and informal discussions</i>	
15:50	16:30	Rafal Klajn Weismann Institute of Sciences	Directed crystallization in colloidal systems
16:30	17:10	Dieter Herlach Institute of Materials Physics in Space	Undercooled melts: ordering, nucleation, dendrite growth
<i>17:10</i>	<i>17:30</i>	<i>Break and Posters installation</i>	
<i>17:30</i>	<i>20:00</i>	<i>Poster session and buffet of Belgian gastronomic specialties</i>	

## Thursday November 27, 2014

10:00	10:40	Günter Reiter University of Freiburg	Correlating polymer crystals via self-Induced nucleation
10:40	11:20	Natalie Stingelin Imperial College London	Nucleating-agent-assisted microstructure formation in molecular and polymer semiconductors
11:20	12:00	Gabin Gbabode University of Rouen	Directional crystallization of poly(ethyleneoxide)
12:00	12:40	G�rard Coquerel University of Rouen	Directional crystallizations concomitant to smooth desolvations
<i>12:40</i>	<i>13:30</i>	<i>Sandwich lunch and informal discussions</i>	
13:30	14:10	Paolo Samori University of Strasbourg	Taming complexity in molecular materials: tailoring low dimensional nanostructures
14:10	14:50	Bart Kahr New York University	Growth induced twisting of crystals
14:50	15:30	Jun-ichi Hanna Tokyo University of Technology	Crystallization of mono-alkylated Benzo[h]thienobenzothiopyrene derivative via smectic E phase and its application to organic field effect transistors
<i>15:30</i>	<i>16:00</i>	<i>Coffee break and informal discussions</i>	
16:00	16:40	Peter Vekilov University of Houston	Recent advances in the understanding of two-step nucleation of protein crystals
16:40	17:20	Lian Yu University of Wisconsin	Crystallization of organic glasses: How molecules grow crystals in frozen liquids
<i>19:30</i>	<i>23:00</i>	<i>Banquet downtown Brussels</i>	

## Friday November 28, 2014

10:00	10:40	Roland Resel Technical University of Graz	Organic epitaxy of rod-like conjugated molecules
10:40	11:20	Aram Amassian KAUST	Controlled nucleation of solution processed conjugated small molecules for high performance organic electronics
11:20	12:00	Jim Lutsko Université Libre de Bruxelles	A two-variable generalization of classical nucleation theory
<i>12:00</i>	<i>12:15</i>	<i>Group Photo</i>	
<i>12:15</i>	<i>13:30</i>	<i>Sandwich lunch and informal discussions</i>	
13:30	14:10	Stéphane Veesler Centre Interdisciplinaire de Nanoscience de Marseille - CNRS	Small-volume and localized fields for nucleation understanding
14:10	14:50	Alex Briseno University of Massachusets	Rise I Say! Growth of Vertically Oriented Single-Crystalline Nanostructures
14:50	15:20	Yves Geerts Université Libre de Bruxelles	Conclusions and perspectives