Dissemination and Communication Activities, Oct 2016 – Dec 2020

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**BLOG POSTS**

Grace Wong: "Reflecting on My Apprenticeship" 19 August 2020

Louise Lejeune: "An Internship Abroad" 23 June 2020

Francesca Cascella and Ghufran ur Rehman: "An Interview with Two CORE Early Career Researchers" 30 January 2020

Mihaela Pop: "An Industry Perspective" 23 January 2020

Maxime Charpentier: “Experiences of a Newcomer” 22 October 2019

Ryusei Oketani: "Interesting and Unpublished" Is Equivalent to "Non-existent" 5 April 2019

Francesca Cascella: "A Window Into Your Future" 27 February 2019

Giuseppe Belletti, Jan-Joris Devogelaer and Aliou Mbodji “Solvay workshop on "Chiral symmetry breaking at molecular level” – Brussels, 28-30 November 2018” 9 January 2019

Ghufran ur Rehman "CORE Family" 26 July 2018

Giulio Valenti: “Why not apply for a Marie Curie fellowship?” 11 June 2018

Ryusei Oketani: "Conference report ~Symposium on Molecular chirality in Japan~” 29 May 2018

Francesca Cascella: “Behind the scenes of a Marie Curie PhD” 14 May 2018
Johannes Hoffmann: "Working cross borders" 6 February 2018

Jan-Joris Devogelaer and Carola Tortora: “A taste of industry: interacting with the network's partners” 12 December 2017

Lina Harfouche: “The secondment: a rewarding experience in Glasgow” 8 December 2017

Raghunath Venkatramanan: “CORE at Explorathon 2017” 17 October 2017

Aliou Mbodi: “First Research Experience in SMS Laboratory at University of Rouen, France” 22 August 2017

Giuseppe Belletti and Aliou Mbodi: “Summer School, Nijmegen '17 – Teamwork is the key.” 22 August 2017

CONFERENCE PRESENTATIONS


INTERVIEW

Prof. Andreas Seidel-Mørgersern: “How can the Enantiomers of a Chiral Molecule be separated more efficiently” Open Access Video Journal: Latest Thinking [LT Video Publication DOI: https://doi.org/10.21036/LTPUB10483]


Prof Heike Lorenz and Prof Andreas Seidel-Morgenstern: *Separation Processes to Provide Pure Enantiomers and Plant Ingredients* H. Lorenz, A. Seidel-Morgenstern (2020) *Annual Review of Chemical and Biomolecular Engineering*


Lina Harfouche: *Resolution by Preferential Crystallization of Proxiphylline by using its Salicylic Acid Monohydrate Co-crystal* L. Harfouche, C. Brandel, Y. Cartigny, S. Petit, G. Coquerel (2020) *Chemical Engineering & Technology*


Francesca Cascella: *Exploiting ternary solubility phase diagrams for resolution of enantiomers: An instructive example* F. Cascella, A. Seidel-Morgenstern, H. Lorenz (2019) *Chemical Engineering & Technology*


**JOURNAL COVER PROFILES**


**LECTURES**

Bodák, Brigitta, Breveglieri, Francesca: “Rate control separation processes in fine chemistry” Lecture to Chemical and Process Engineering students at ETH Zurich, 20 December 2018

Prof. Gerard Coquerel "Crystallization and macroscopic symmetry breakings" Gérard Coquerel, Ryusei Oketani, François-Xavier Gendron, Manon Schindler, Simon Clevers, Clément de Saint Jores, Pascal Cardinael, Najla Garbit-Hamza, and Clément Brandel, Invited Lecture at the *Symposium on Molecular Chirality in Chiba*, Japan, 10-12 May 2018


Prof. Heike Lorenz: "Purification by Crystallization" Guest Lecture at CORE Workshop Solid State, 6-10 November 2017, Cluj-Napoca, Romania

Prof Joop ter Horst: “Fundamentals of Crystallization” Guest Tutorial at the International Symposium on Industrial Crystallization (ISIC 20), 3-6 September 2017, UCD (Dublin, Ireland)

Prof Gerard Coquerel: “Thermodynamics and Phase Diagrams” Summer School on Chiral Crystallization, Resolution & Deracemization, 3-6 July 2017, Radboud University

Prof Joop ter Horst: “Crystal nucleation” Summer School on Chiral Crystallization, Resolution & Deracemization, 3-6 July 2017, Radboud University
Prof Joop ter Horst: “Preferential crystallisation & Process Modelling” Summer School on Chiral Crystallization, Resolution & Deracemization, 3–6 July 2017, Radboud University

Prof. Andreas Seidel-Morgenstern: "Processes to separate enantiomers" Summer School on Chiral Crystallization, Resolution & Deracemization, 3-6 July 2017, Radboud University

Prof Elias Vlieg: "Introduction to Chirality" Summer School on Chiral Crystallization, Resolution & Deracemization, 3-6 July 2017, Radboud University

Prof Elias Vlieg "Viedma ripening – theory" Summer School on Chiral Crystallization, Resolution & Deracemization, 3-6 July 2017, Radboud University


Prof Joop ter Horst: “An introduction to Industrial Crystallization” CORE Introductory week, 30 January – 3 February 2017, University of Strathclyde

Prof Marco Mazzotti: “Crystal Shape Engineering” CORE Introductory week, 30 January – 3 February 2017, University of Strathclyde

Prof. Andreas Seidel-Morgenstern: “CORE Introductory week, 30 January – 3 February 2017, University of Strathclyde

POSTERS


Giuseppe Belletti: "Photoracemization-based Viedma ripening of a BINOL derivative" sIMMposium 2019, Radboud University, Nijmegen, 21-22 October 2019


Carola Tortora [poster and flash presentation]: “Speeding up Conglomerate Deracemization through Faster Racemization” Carola Tortora, Christina Mai, Svetlana B. Tsogoeva (2018) 1st Women Symposium in the Friedrich-Alexander Universität of Erlangen, Germany, 9-11 December 2018


Jan-joris Devogelaer: “Cocrystals as a route to chiral conglomerates” J. Devogelaer, R. de Gelder, H. Meekes, and E. Vlieg (2018), Solvay Workshop “Chiral Symmetry Breaking at Molecular Level” 28 - 30 November 2018, ULB, Brussels

Aliou Mbodji: “Propensity for amine family to form conglomerates with Chlocyphos and first attempts to perform preferential crystallization of the conglomerate derivative salts”, Aliou Mbodji, Gabin Gbabode, Morgane Sanselme, Michel Leeman, Valérie Dupray, Richard M. Kellogg and Gérard Coquerel (2018), Solvay Workshop “Chiral Symmetry Breaking at Molecular Level” 28 - 30 November 2018, ULB, Brussels


Giuseppe Belletti: “The role of additives during deracemization using temperature cycling”, G. Belletti, H. Meekes, F. P. J. T. Rutjes and E. Vlieg (2018), 25th International Workshop on Industrial Crystallization (BIWIC), 6-7 September 2018, University of Rouen, France

Shashank Bhandari: “Cyclic Batch Preferential Crystallization for Conglomerates and Racemic Compounds” S. Bhandari, S. Qamar, A. Seidel-Morgenstern (2018), 25th International Workshop on Industrial Crystallization (BIWIC), 6-7 September 2018, University of Rouen, France

Francesca Breveglieri: "Evaluation and optimization of solid-state deracemisation via temperature cycles" F. Breveglieri, G.M. Maggioni, and M. Mazzotti (2018), 25th International Workshop on Industrial Crystallization (BIWIC), 6-7 September 2018, University of Rouen, France


Jan-joris Devogelaer: “Discovering new cocrystals via coformer-network analysis” J. Devogelaer, R. de Gelder, H. Meekes, and E. Vlieg (2018), 25th International Workshop on Industrial Crystallization (BIWIC), 6-7 September 2018, University of Rouen, France


Aliou Mbodji: “Crystal structure determination of Chlocyphos and resolution of Chlocyphos ethylamine salt by preferential crystallization” Aliou Mbodji, Valerie Dupray, Gabin Gbabode, Clément Brandel, Morgane Sanselme and Gérard Coquerel (2018), 25th International Workshop on Industrial Crystallization (BIWIC), 6-7 September 2018, University of Rouen, France

Ryusei Oketani: “Interplay of the racemization rate and the crystal growth rate on the deracemization rate” R. Oketani, C. Brandel, P. Cardinael, and G. Coquerel (2018), 25th International Workshop on Industrial Crystallization (BIWIC), 6-7 September 2018, University of Rouen, France
Ghufran ur Rehman: "Design of closed loop auto-sampling device able to characterize enantiomeric excess in liquids and solids during chiral resolution processes" Ghufran ur Rehman, Thomas Vetter (2018), 25th International Workshop on Industrial Crystallization (BIWIC), 6-7 September 2018, University of Rouen, France

Carola Tortora: "Speeding up conglomerate deracemization through faster racemization" Carola Tortora and Svetlana B. Tsogoeva (2018), 25th International Workshop on Industrial Crystallization (BIWIC), 6-7 September 2018, University of Rouen, France

Giulio Valenti: "Flurbiprofen: A Target for Viedma Ripening" G.Valenti, Joop H. ter Horst and R.M. Kellogg (2018), 25th International Workshop on Industrial Crystallization (BIWIC), 6-7 September 2018, University of Rouen, France

Raghunath Venkatramanan: “Towards in situ monitoring and control of crystallization-based resolution processes” Raghunath Venkatramanan, Alison Nordon, Joop H. ter Horst (2018), 25th International Workshop on Industrial Crystallization (BIWIC), 6-7 September 2018, University of Rouen, France

Rene de Gelder: "Discovering new cocrystals via coformer-network analysis” J. Devogelaer, R. de Gelder1, H. Meekes, and E. Vlieg (2018), 31st European Crystallographic Meeting, ECM31, of the European Crystallographic Association will take place in the Palace of Exhibition and Congresses (PEC) in Oviedo, Asturias, 22-27 August 2018

Ryusei Oketani: "Derassemization of axial chiral naphthamide: racemization rate and crystallization rate" Symposium on Molecular Chirality in Chiba, Japan, 10-12 May 2018 [Winner - Excellent poster prize]


Francesca Cascella: "Continuous Enantioselective Crystallization Processes" F. Cascella, A. Seidel-Morgerstern, H. Lorenz (2017), Summer School on Chiral Crystallization, Resolution & Deracemization, 3-6 July 2017, Radboud University

Jan-Joris Devogelaer:” Predicting new chiral multicomponent systems: A datamining approach” J. Devogelaer, R. de Gelder, H. Meekes, E.Vlieg (2017), Summer School on Chiral Crystallization, Resolution & Deracemization, 3-6 July 2017, Radboud University


Raghunath Venkatramanan: “Chiral Analysis In Suspensions” Raghunath Venkatramanan, Alison Nordon, Joop H. ter Horst (2017), Summer School on Chiral Crystallization, Resolution & Deracemization, 3-6 July 2017, Radboud University.

Francesca Breveglieri: "Solid state deracemisation if Imine derivatives via High pressure homogenisation and temperature cycles" (2017). British Association of Crystal Growth (BACG 2017), 27-30 June 2017, University of Manchester [winner of runner up prize in the BACG2017 Poster Competition (open only to contributions with a major experimental component)]

PRIZES


Francesca Cascella: "Fundamental Studies for Continuous Preferential Crystallization of Guaifenesin" First Place, Best Poster Award at the 25th International Workshop on Industrial Crystallization (BIWIC), University of Rouen, France, 6-7 September 2018.

Ryusei Oketani: "Derassemization of axial chiral naphthamide: racemization rate and crystallization rate" Excellent poster prize at the Symposium on Molecular Chirality in Chiba, Japan, 10-12 May 2018.

Francesca Breveglieri: "Solid state deracemisation if Imine derivatives via High pressure homogenisation and temperature cycles" Runner up prize in Poster Competition (open only to contributions with a major experimental component) at the British Association of Crystal Growth (BACG 2017), University of Manchester, 27-30 June 2017.

PUBLIC ENGAGEMENT

Maxime Charpentier: Video “EU_H2020 ITN CORE - Chiral Molecules Separation: The Case of Praziquantel” June 2020

Raghunath Venkatramanan: "sparkly night crystal tree. Imaging technique used: Polarisation microscope with sodium bromate crystals” BACG Crystals in Art Competition 2020 (Virtual)

Raghunath Venkatramanan: “Crystallising solutions for precision pharmaceuticals” Strathclyde Images of Research Competition, June 2019, University of Strathclyde, Glasgow, UK

Maxime Charpentier: “Crystal Builders” Explorathon: European Researchers Night, 27 September 2019 in Riverside Museum

Maxime Charpentier, Johannes Hoffmann: “Crystal Builders” Explorathon: European Researchers Night, 29 September 2018 in Riverside Museum


Shashank Bhandari and Francesca Cascella, 13th Long Night of Science, 2 June 2018, Max Planke Institute Magdeburg

Johannes Hoffmann, Sudhansu Sekhar Jena, Giulio Valenti, Raghunath Venkatramanan: “Crystal Builders” Explorathon: European Researchers Night, 29 September 2017 in Riverside Museum

SEMINARS

Francesca Breveglieri: "Isolation of a pure enantiomer from a racemic mixture via either preparative chromatography or crystallization" Virtual MSD Symposium: Invent. Impact. Inspire., 14 September 2020


WEBINARS

Prof Joop ter Horst: “Crystallization-Enhanced Resolution and Deracemization of Chiral Compounds” J. ter Horst, British Association for Crystal Growth (BACG) and Cambridge Crystallographic Data Centre (CCDC) Crystal Conversations, 3 December 2020

Jan-Joris Devogelaer: “Data-driven discovery of co-crystals” J.J. Devogelaer and R. de Gelder (duo presentation), British Association for Crystal Growth (BACG) and Cambridge Crystallographic Data Centre (CCDC) Crystal Conversations, 1 October 2020

Prof Joop ter Horst: Free online in demand webinar The Influence of Crystallization Kinetics on Your Process: Measuring Primary and Secondary Nucleation in Crystallization by Professor Joop ter Horst and available by registering your name, email and contact number [took place on 26 Aril 2018 organised by Technobis https://register.gotowebinar.com/register/692694914388943105