

Programme of the 13th Bologna's convention on Crystal Forms - CF@Bo n. 13
University of Bologna 7-9 September 2025

	SUNDAY 7 September	Aula Prodi Complesso di San Giovanni in Monte University of Bologna	Abstract code
11:30-14:00	REGISTRATION		
13:45-14:00	Chairing Dario Braga Department of Chemistry G. Ciamician, University of Bologna	Opening of the convention	
14:00-14:30	Fabrizia Grepioni Department of Chemistry G. Ciamician, University of Bologna	Crystal Forms @ Bo	O1
14:30-15:00	Alfred Lee MSD Research Laboratories Rahway, New Jersey 07065, USA	Solid Form Discovery: Past, Present and Future.	O2
15:00-15:30	Philippe Fernandes Associate Director at Johnson and Johnson	Key Insights from Computational Tools in Solid-State Pharmaceutical Development	O3
15:30-16:00	Franziska Emmerling Federal Institute for Materials Research and Testing (BAM) Department Materials Chemistry, Berlin	Real-Time Monitoring and Temperature Control for Optimized Polymorph Engineering	O4
16:00-16:30	Ivo B. Rietveld SMS Laboratory University of Rouen, Normandy, France	Preparation and stabilisation of metastable polymorphs for the improvement of API bioavailability.	O5
16:30-17:00	Coffee break		
	Chairing Teresa Duarte Istituto Superior Técnico, Lisbon, Portugal		
17:00-17:30	Gareth Williams Department of Chemistry, University College London, UK	Accessing new polymorphs via solid solutions	O6
17:30-18:00	Helen Wheatcroft APS Crystallisation Scientist, AstraZeneca, UK	Crystallisation and Particle Control of a Multi- component API Crystal Form: From Structure to Process	O7
18:00-18:30	Elena Simone Department of Applied Science and Technology (DISAT) Politecnico di Torino, Torino, Italy	Can crystal engineers make food? A few examples of crystallization strategies for the design of food formulations	O8
18:30-19:00	Gerard Coquerel Laboratoire Sciences et Méthodes Séparatives, University of Rouen, France	Interferences between Polymorphism and Solid Solutions	O9

19:00	Aperif in the courtyard	Complesso di San Giovanni in Monte - University of Bologna	
	MONDAY 8 September	Hotel Aemilia	
	Chairing Ghazala Sadiq Senior Scientist, Cambridge Crystallographic Data Centre, UK		
8:30-9:00	Jon Steed Department of Chemistry, Durham University, Durham, UK	Crystals as Intellectual Property	O10
9:00-9:30	Susan Reutzler-Edens SuRE Pharma Consulting, LLC, Zionsville, Indiana, USA	Turning polymorph challenges into patent opportunities	O11
9:30-10:00	Vania André IMS Researcher at CQE-IMS, Instituto Superior Técnico, Lisbon, Portugal	Unlocking New Antibiotic Forms: Crystal Engineering and Supramolecular Strategies for Polymorphs, Cocrystals, and Beyond	O12
10:00-10:30	Coffee break		
	Chairing Susan Bourne University of Cape Town, South Africa		
10:30-11:00	Sarah (Sally) Price Department of Chemistry, University College London, UK	Pharmaceutical Digital Design: Can we go from Chemical Structure through Crystal Polymorph to Conceptual Crystallization Process?	O13
11:00-11:30	Marcus A. Neumann CEO Avant-garde Materials Simulation Deutschland GmbH, Merzhausen, Germany	A conceptual framework for the crystallizability of organic compounds	O14
11:30-12:00	Doris Braun Institute of Pharmacy, Christian Doppler Laboratory for Advanced Crystal Engineering Strategies in Drug Development, University of Innsbruck, Austria	Hybrid Approaches in Solid Form Design: Virtual Screening and Experimental Validation	O15
12:00-12:30	Joost van den Ende Roche Pharma Research and Early Development, Therapeutic Modalities, Basel, Switzerland	Machine Learning within CSP: from one crystal energy landscape to another	O16
12:30-13:00	Rajni Miglani Bhardwaj Associate research Fellow at Pfizer, New London County, Connecticut, USA	An integrated approach combining experimental and computational for solid form design and selection	O17

13:00-14:00	Lunch and poster session		
14:00-16:00	Poster session	See conference booklet	P 1-50
16:00-16:30	Coffee break and poster session		
16:30-17:30	Chairing Matteo Daldosso PolyCrystalLine Spa, Medicina, Italy	GOLD sponsor oral presentations	
16:30-16:45	Gustavo Santiso-Quinones ELDICO Scientific AG, Allschwil, Switzerland	Crystallographic Landscape of Electron Diffraction: Novel Applications for the Pharma and Agrochemical Industry	GS1
16:45-17:00	Natalia Dadivanyan Marketing Manager Pharma & Food Sector Malvern Panalytical Palaiseau, France	Discovering solid forms: new amorphous and crystalline polymorphic forms of sodium naproxen	GS2
17:00-17:15	Roman Maag Technobis Crystallization Systems Alkmaar, The Netherlands	Efficient Tools for Solid-State Research	GS3
17:15-17:30	Guangxu Sun Executive Director of Solid State Business XtalPi Boston, USA	The Synergy of Computation and Experiment in Solid- State R&D	GS4
	Chairing Bill Jones Department of Chemistry, the University of Cambridge, UK		
17:30-18:00	Arnaud Grandeury Novartis Leading Scientist, Novartis AG, Basel Switzerland	Solid Form Matters: Microenvironmental Influences on API Stability in Drug Products	O18
18:00-18:30	Delia A. Haynes Stellenbosch University, South Africa	Co-crystals, salts and sublimation	O19
18:30-19:00	Thomas Rades and Inês Martins Department of Pharmacy Faculty of Health and Medical Sciences University of Copenhagen, Denmark	Amorphous forms of drugs: from preparation to polyAmorphism	O20
19:00-19:30	Amy Woods-Ryan Durham University (PhD student) and GSK (Investigator), UK	HEPES of conformational, multi-zwitterionic polymorphs	O21
	Free evening in Bologna		

	TUESDAY 9 September	Hotel Aemilia	
	Chairing Lucia Maini Department of Chemistry G. Ciamician, University of Bologna		
8:30-9:00	Anna Slater Department of Chemistry and Materials Innovation Factory, University of Liverpool, UK	Continuous flow chemistry as a tool for crystallisation of porous organic materials	O22
9:00-9:30	Edyta Pindelska Department of Pharmaceutical Chemistry and Biomaterials, Medical, University of Warsaw, Poland	Mechanisms of Cocrystal Formation and Coformer Exchange in Ethenzamide Systems – From <i>In Situ</i> Studies to Pharmaceutical Applications	O23
9:30-10:00	Matteo Daldosso Chief Scientific and Innovation Officer at PolyCrystalLine, Medicina, Italy	API: Don't Forget the I. From the Right Molecule to the Right Particle	O24
10:00-10:30	Stephanie Terruzzi Chemessentia Srl (part of Chemo group), Novara, Italy	Challenges in crystallization scale-up of an API	O25
10:30-11:00	Coffee break		
	Chairing Alessia Bacchi Department of Chemistry, University of Parma		
11:00-11:30	Joop ter Horst Tiofarma BV, Oud-Beijerland, Netherlands	Optimizing complex multicomponent solid form discovery & crystallization process design	O26
11:30-12:00	Irene Bassanetti Senior Scientist in Analytics and Early Formulation Department, Preclinical R&D Chiesi Farmaceutici, Parma, Italy	The Critical Role of 3D Molecular and Biomolecular Structures in Innovative Drug Discovery	O27
12:00-12:30	Martin Viertelhaus Principal Scientist BASF SE - Analytical and Material Science	Solubility – Easy Parameter with Hurdles in Determination and Interpretation	O28
12:30-13:00	Matteo Lusi Dept of Chemical Science & Bernal Institute, University of Limerick, Ireland	Crystalline Solutions for Pharmaceutical Problems	O29
13:00-14:00	Lunch		

	Chairing Simone d'Agostino Department of Chemistry G. Ciamician, University of Bologna		
14:00-14:30	Luc Aerts Head Solid State Development Sciences, UCB Pharma, Belgium	Co-crystallisation as a versatile tool in pharmaceutical development	O30
14:30-15:00	Pietro Sacchi Research and Application Scientist, The Cambridge Crystallographic Data Centre, UK	Computational approaches for the prediction of particle properties of organic molecular materials.	O31
15:00-15:30	Joe Lubach Distinguished Scientist at Genentech, Inc., department of Synthetic Molecule Pharmaceuticals, South San Francisco, USA	Insights into Pharmaceutical Drug Substance and Product Using Multinuclear Solid-State NMR Spectroscopy	O32
15:30-16:00	Helen Blade Principal Scientist - Solid State Computational Pharmaceuticals, AstraZeneca, Cambridge, UK	Connecting API to product	O33
16:00-16:30	Coffee break and Poster Prizes		
16:30-17:30	NICE event: Nature Inspired Crystal Engineering Chairing Fabrizia Grepioni	Dissemination event of the PRIN 2020 project	
16:30-16:45	Alessia Bacchi University of Parma	A NICE PoEM: cocrystals from liquid ingredients	O34
16:45-17:00	Giuseppe Resnati Polytechnic of Milan	Pharmaceutical cocrystals via halogen bond	O35
17:00-17:15	Michele Remo Chierotti University of Torino	Advanced Solid-State NMR tools for Crystal Engineering: From Structure Elucidation to Phase Purity Assessment	O36
17:15-17:30	Pavel Zolotarev University of Milan	Study of pillared MOFs with Zn-paddlewheel state switching	O37
17:30	Dario Braga	Closing remarks	

We are grateful to **ELDICO**, **XTALPI**, **Avant-Garde**, **TECHNOBIS**, **Malvern Panalytical**, **Schrödinger** and **PolyCrystalLine** for sponsoring the convention, and to the journals **CrystEngComm** and **RSC Mechanochemistry** for sponsoring poster prizes. We also gratefully acknowledge the companies **UCB**, **GENENTECH**, **Pfizer** and **Roche** and the Italian crystallographic association **AIC** for financing the registration of young participants.

