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**
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	**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 Gazhala Sadiq Senior Scientist, the 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 Reutzel-Edens** SuRE Pharma Consulting, LLC	**Turning polymorph challenges into patent opportunities**	**O11**
9:30-10:00	**Vania André** IMS Researcher at CQE-IMS/IST	**Unlocking New Antibiotic Forms: Crystal Engineering and Supramolecular Strategies for Polymorphs, Cocrystals, and Beyond**	**O12**
10:00-10:30	**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**
10:30-11:00	***Coffee break***		
	Chairing Martin Schmidt Goethe University Frankfurt, Frankfurt am Main, Germany		
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**	**G O14**
11:30-12:00	**Doris Braun** Institute of Pharmacy, Christian Doppler Laboratory for Advanced Crystal Engineering Strategies in Drug Development, University of Innsbruck	**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, Pfizer	**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 abstract booklet**	**P**
16:00-16:30	***Coffee break and poster session***		
	Chairing Matteo Daldosso PolyCrystalLine Spa		
16:30-17:30	**GOLD sponsor oral presentations**		
16:30-16:45	**Presenter** **ELDICO Scientific AG**	**title**	**GS1**
16:45-17:00	**Presenter** **Malvern Panalytical S.r.l.**	**title**	**GS2**
17:00-17:15	**Roman Maag** **Technobis Crystallization Systems** Pyrietstraat 2, 1812 SC Alkmaar, The Netherlands	**title**	**GS3**
17:15-17:30	**Guangxu Sun** **XtalPi** Boston Executive Director of Solid State Business	**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	**Enrico Modena** *Associate Director Science and Technology* Novartis	**Solid state, Polymorphism and the pharmaceutical**	**O18**
18:00-18:30	**Delia A. Haynes** Stellenbosch University	**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	**Amorphous forms of drugs: from preparation to polyAmorphism**	**O20**
19:00-19:30	**Amy Woods-Ryan** Durham University (PhD student) and GSK (Investigator)	**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** University of Liverpool, Department of Chemistry and Materials Innovation Factory	**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 *In Situ* Studies to Pharmaceutical Applications**	**O23**
9:30-10:00	**Matteo Daldosso** Chief Scientific and Innovation Officer at PolyCrystalLine	**API: Don't Forget the I. From the Right Molecule to the Right Particle**	**G O24**
10:00-10:30	**Federica Lazzari** Solid state and crystallization scientist at Chemessentia Srl (part of Chemo group)	**Challenges in crystallization scale-up of an API nanocrystalline form**	**O25**
10:30-11:00	***Coffee break***		
	Chairing Simone d'Agostino Department of Chemistry G. Ciamician, University of Bologna		
11:00-11:30	**Joop ter Horst** Tiofarma, NL	**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	**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 t.b.a.		
14:00-14:30	**Luc Aerts** Head Solid State Development Sciences, UCB Pharma	**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 Pharmaceutics.	**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 Pharmaceutics, AstraZeneca	**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 Dario Braga**	
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** and **Roche** and the Italian crystallographic association **AIC** for financing the registration of young participants.