

EU4MOFs

Meeting in Kraków, Poland: Bringing Academia and Industry Together
 Synthetic aspects, industrial expectations and young researcher pitch presentations

PROGRAM OVERVIEW

26th-27th June 2025

Program Thursday 26th June 2025 – ROOM A1-01 Faculty of Chemistry, Jagiellonian University

08:30-09:00	Registration	
09:00-09:10	Welcome	Dariusz Matoga
Session 1: Towards bioapplications, proper characterization and AI-optimized protocols Chair: Dariusz Matoga		
09:10-9:30	Rational Design of Nanosized MOFs for Biomedical Applications	Alessio Zuliani
9:30-9:50	MOFs for biomedicine: academia and industry perspective	Jeremiah Gassensmith
9:50-10:10	AI Optimisation for Synthesis and Discovery	Aydin Özcan
10:10-10:30	Isotope-selective gate opening in a flexible metal-organic framework DUT-8(Ni)	Volodymyr Bon
10:30-10:50	Diffusion in nanoporous materials: The need for speed in measurements & applications	Rob Ameloot
10:50-11:20	Coffee Break	
Session 2: Challenges for scalable and reproducible synthesis of MOFs Chair: Anna Sinelshchikova		
11:20-11:40	From Lab to Kilogram: Extrusion as a Scalable, Sustainable Mechanochemical Approach for MOFs	Deborah Crawford
11:40-12:00	MOF synthesis reproducibility - what's the problem and do we have a solution?	Ocean Cheung
12:00-12:20	Challenges in reproducible synthesis of zirconium MOFs	Marzena Pander
12:20-12:40	Research and technology transfer for successful commercialization – when and how?	Agata Błaszczyk-Pasteczka
12:40-12:50	GROUP PHOTO	

12:50-14:00	Free time for lunch	
Session 3: Academy meets industry part 1: Companies presentations / Chair: Joanna Goscianska		
14:00-14:15	novoMOF	Anna Chomiak
14:15-14:30	Promethean Particles Ltd.	Selina Ambrose
14:30-14:45	Enamine Ltd.	Oleksandr Grygorenko
14:45-15:00	Immaterial	Ceren Camur
15:00-15:15	ON2Quest	Ellart de Wit
15:15-15:30	Baker Hughes	Alex Cruz
15:30-15:45	Innobay Hungary Ltd.	Norbert Babcsán
15:45-16:45	Coffee Break + poster session	Young Researchers and Companies
Session 3: Academy meets industry part 2: Companies presentations / Chair: Romy Ettlinger		
16:45-17:00	Vector Bioscience Cambridge	David Fairen-Jimenez (online)
17:00-17:15	Ardena	Rob van der Weegen
17:15-17:30	Abraca Biosystems	Guillaume Ceglarski
17:30-17:45	AMER-SIL S.A.	Guillaume Ceglarski
17:45-18:00	Pal Technology	Przemysław Biskup
18:00-18:15	Surface Measurement Systems	Alam Sayed
18.15-18:35	Reimbursement rules	Quim Peña
19:30-23.00	Dinner – Kazimierz district	

Program Friday 27th June 2025 – ROOM A1-01 Faculty of Chemistry, Jagiellonian University

9:00-10:00	Core Group meeting	
10:00-10:30	Coffee Break and Registration	
Session 1: Academy meets industry part 3: Students presentations / Chair: Stefan Wuttke		
10:30-10:40	Task Force – support for EU grant applications	Min Ying Tsang
10:40-10:46	From Prediction to Synthesis: Large Language Models for Discovery of MOFs in Sustainability Applications	Zhiling Zheng (online)
10:46-10:52	MOFSynth: A Computational tool toward synthetic likelihood predictions of MOFs	Charalampos Livas
10:52-10:58	Designing Linkers, Crafting Pores: Shortcut Strategies for Synthesis of Mesoporous Zr-MOFs and Advanced Characterization	Leili Esrafil
10:58-11:04	Synthesis and characterization of novel Zr-MOPs	Emilian Stachura
11:04-11:10	Metal-organic frameworks for efficient mephedrone detoxification or supervised withdrawal – synthesis, characterization and in vivo studies	Kornelia Hyjek
11:10-11:16	OnG7: A Metal–Organic Framework for Potential Chemotherapeutic Delivery in Breast Cancer Treatment	Darragh McHugh
11:16-11:22	Harnessing Synergistic Effect of Al and Zn in Novel Bimetallic MOF for Superior Environmental Pollutants Adsorption	Ahmed Radwan
11:22-11:28	HKUST-1/TiO2 chitosan beads as photocatalyst for green Hydrogen generation	Marie Le Pivert
11:28-11:34	Porous Stone with Phase Change Materials for Passive Thermal Energy Storage	Antonella Sarcinella
11:34-11:40	Design and Development of Metal-Organic Framework based Materials for Gas Sensing Applications	Marilyn Esclance D Mello
11:40-11:46	Tailored design of an oxygen-rich stable Co-MOF integrated with MXene nanofibers as advanced heterostructures for high-performance ammonium-ion supercapacitors	Nissar Hussain (online)
11:46-11:52	An Ultra-Microporous Zinc-Diaminotriazolate Oxalate Metal Organic Framework with Nonlayered-pillared Structure Showing High Carbon Dioxide Uptakes at Low Partial-pressures	Piyush Singh (online)
12:00-13:30	Free time for lunch / Award committee meeting	
Session 2: Academy meets industry part 4: Speed-dating / Chairs: Alex Cruz, Romy Ettliger		
13:30-15:00	Academia ↔ Companies	ROOM A1-20
15:00-15:30	Coffee break	
Session 3: Academy meets industry part 5: Round-table discussion / Chairs: Quim Peña, Alex Cruz		
15:30-17:30	Open discussion and breakout rooms	ROOM A1-01
17:30-17:45	Awards and Closing	Dariusz Matoga