

Program at a glance

	Day 1	Day 2	Day 3
8:30	Welcome Session	Oral Session 5	
9:00	Oral Session 1		Oral Session 9
9:30			
10:00			
10:30	Coffee break	Coffee break	
11:00	Oral Session 2	Oral Session 6	Coffee break
11:30			Oral Session 10
12:00			
12:30	Lunch break	Lunch break	Oral Session 10
13:00			
13:30	Poster Session 1	Poster Session 2	Lunch break
14:00			Oral Session 11
14:30			
15:00	Oral Session 3	Oral Session 7	Oral Session 11
15:30			
16:00	Coffee break	Coffee break	Farewell Session
16:30	Oral Session 4	Oral Session 8	
17:00			
17:30			
18:00			
18:30			
19:00		Conference Dinner and Scientific Program	
20:00			
20:30			
21:00			
21:30			
22:00			
22:30			

Scientific program

Monday 13th July				Legend:
8:30	Welcome Session			
9:00	Oral Session 1	D. Spivak	Discovery and Development of One Monomer Molecularly Imprinted Polymers (OMNiMIPs)	Tutorial
9:15		E. Bodoki	Mechanistic insights into mechanochemical solid-state molecular imprinting	Keynote
9:40		V. Ratautaite	The importance of the underlayer for the molecularly imprinted polymer preparation	
9:55		R. Radfar	Comparative study of silicon-based and vs. acrylamide-based polymers for core-shell molecularly imprinted polymers	
10:10		H. Wan	A Thermo-Regulated Imprinting Strategy Enabled by Deep Eutectic Solvents-derived Functional Monomers	
10:25	Coffee break			
11:00	Oral Session 2	K. Rurack	The “Young Researcher’s Guide” to MIPs Incorporating Fluorescent Probe Monomers	
11:15		L. Ye	Insight into molecular imprinting process using a fluorescent probe	
11:30		S. Spada	Molecularly imprinted polymer (MIP) nanogels for specific capture of Vascular Endothelial Growth Factor	
11:45		K. Kaur	Molecularly Imprinted Mn-Doped Hollow Core TiO ₂ Photocatalyst for Selective Visible-Light Catalytic Degradation of Antibiotics	
12:00		Z. Guo	Molecular Imprinting and Cladding for High-Performance Antibody-Mimetic Materials	
12:15		T. Bogaardt	Synthetic Bacteria Mimics for Shape-Specific Surface-Imprinted Polymers	
12:30	Lunch break			
13:00				
13:30				
14:00	Poster Session 1			
14:30				
15:00	Oral Session 3	K. Haupt	Single-molecule studies of MIP nanogels - Getting closer to antibodies	
15:15		C. Donaldson	From Residue-Level Recognition to Epitope-Imprinted Polymers: Defining Pre-Polymerisation Design Space by Molecular Simulation	
15:40		Z. Altintas	Data-driven design of molecularly imprinted polymers for precision cancer diagnostics	
15:55		S. Scarano	From Machine-Learning-Guided Design to Ultrafast Serotonin-Based Synthesis: Advanced Imprinted Polymers for Protein Recognition	
16:10		S. Rajpal	Reverse Engineering Synthetic Paratopes: From MMSD to Polymer-Level Mechanisms in Siloxane Matrices	
16:25	Coffee break			
17:00	Oral Session 4	B. Sellergren	Recent advances in MIP-assisted analysis of protein post-translational modifications	
17:15		Q. Jia	Host-guest interaction driven molecularly imprinted polymers targeting biomarker analysis	
17:30		D. Zelikovich	Nanoparticle-Imprinted Matrices (NAIM): Implications and Selective Detection of Nanoparticles	

Scientific program				
Tuesday 14th July				Legend:
8:30	Oral session 5	M. Begou	Systemic in-vivo drug delivery application of MIP: a systematic review	Tutorial
8:45		N. Griffete	Magnetic Molecularly Imprinted Polymer in Nanomedecine	Keynote
9:10		Z. Gu	Preliminary exploration of molecularly imprinted polymers for drug-resistant cancer therapy	
9:25		K. Gawlitza	Dual-Fluorescent Molecularly Imprinted Nanoparticles for Direct Fluorescence Detection of Sialic Acid on Cancer Cells	
9:40		S. Li	Trispecific Nano-Cell Engager Potentiates Antitumor Immunity by Enhancing Multicellular Crosstalk of T Cells	
9:55		W. Al-jamal	Engineering Molecularly Imprinted Nanoparticles for Next-Generation Cancer Immunotherapy	
10:10		F. Jin	A Trojan Horse Nanotrap with a GSH-Responsive Molecular Gate Orchestrates Ferroptosis via Coupled Iron Release and Spatial GPX4 Inhibition	
10:25	Coffee break			
11:00	Oral Session 6	L. Ye	Molecular Imprinting-Enabled Antibacterial Materials and Therapeutic Interfaces	
11:15		L. Debard	Bioavailability and antioxidant effect of a bioMIP-based quercetin delivery system	
11:30		H. Lorenzo-Anota	Molecularly Imprinted Polymer Targeting Fibroblast Growth Factor Receptor-1 for Obesity Treatment	
11:45		S. Suriyanarayanan	Shape-engineered hyperporous MIP films for ultrasensitive antibody-free QCM detection of small-cell lungs cancer biomarkers	
12:00		C. Herrera Leon	Atomic-Level Insight into Molecular Recognition by Molecularly Imprinted Polymers: An STD and WaterLOGSY NMR study	
12:15		B. Iacob	Mechanochemically Engineered Recognition Sites: Reducing Solvent, Enhancing Performance	
12:30	Lunch break			
13:00				
13:30	Poster Session 2			
14:00				
14:30				
15:00				
15:00	Oral Session 7	K. Shea	An Overview of Abiotic Protein Affinity Reagents	
15:15		E. Mazzotta	Bioresorbable MIP-based sensors: next-generation of in-vivo diagnostics	
15:40		L. Hu	Molecular imprinting toward living systems: From cells to extracellular vesicles	
15:55		C. Branger	Targeting bacterial communication pathways using molecularly imprinted polymers	
16:10	Coffee break			
16:45	Oral Session 8	Z. Liu	Surpassing Essential Functional Biomolecules and Raising the Banner of MIPs	
17:00		T. Serra	NanoMIP as synthetic receptors for immunodiagnostics applications: two different approaches	
17:15		A. Khalid	NanoMIP engineering for selective recognition of cancer-associated MUC1 glycosylations	
17:30		O. Brueggemann	Chameleon Inspired Molecularly Imprinted Photonic Arrays for Biomolecule Sensing Aiming on Wound Healing Monitoring	

Scientific program				
Wednesday 15th July				Legend:
9:00	Oral session 9	A. Bossi	Protein-based molecularly imprinted nanoparticles for biomedical applications	Tutorial
9:15		D. Yongabi	Surface-imprinted polymers as biomimetic receptors for the sensor-based detection of bacteria	Keynote
9:30		K. D. Magdato	Molecularly Imprinted Hydrogels for Protein Recognition	
9:45		H. Sayour	AI-powered Low-cost Rapid Onsite Bio-typer: The dream Comes True with Molecular Imprinting	
10:00		A. Marinangeli	Castor Oil-Derived Molecularly Imprinted Nanoparticles for High-Performance Cardiac Biomarker Sensing	
10:15		E. Primiceri	Simultaneous and Selective Electrochemical Detection of NGF and proNGF in Native Conditions Using Molecularly Imprinted Polymers	
10:30		P. Sharma	Macroporous Surface Imprinted Polymers: From Macroelectrode to Microelectrode for Chemosensing of Proteins	
10:45		T. Di Giulio	Self-polymerized norepinephrine MIPs on porous silica: a highly sensitive and versatile platform for label-free optical sensing	
11:00	Coffee break			
11:35	Oral Session 10	H. Zhang	Efficient Preparation of High-Performance Complex Biological Sample-Compatible Fluorescent Molecularly Imprinted Polymer Microcapsule-Based Chemosensors	
11:50		S. Gao	Ultrabright Water-Stable Perovskites Quantum Dot Affinity Nanoprobes for Multiplexed Fluorescence Glycan Imaging	
12:05		J. Ribeiro	Electrochemical Synthesis of Molecularly Imprinted Hydrogel Thin Films for Selective Biomarker Sensing	
12:20		Y. Yoshimi	Development of a Wire-Type Molecularly Imprinted Carbon Paste Electrode for Direct Hypoxanthine Sensing in Fish Meat	
12:35		N. Budimirovic	Integration of a Molecularly Imprinted Polymer as Preconcentrator for Enhanced Electrochemical Glyphosate Sensing	
12:50		A. Ramanavicius	Application of Molecularly Imprinted Polymers in Electrochemistry and Surface Plasmon Resonance based Sensors	
13:05		M. Ibrar Asif	A photoiniferter polymerization approach for the development of sensitive MIP-based electrochemical sensors	
13:20	Lunch break			
14:20	Oral Session 11	W. Kutner	Progress and Possibilities of Chemosensors with Molecularly Imprinted Polymers' Recognition Units for the Determination of Lysozymes in Food Quality Control and Clinical Diagnostics	
14:35		D. Mandler	Does Nanoparticle Imprinting Work Better than Imprinting of Molecules?	
15:00		Y. Garcia	Molecularly Imprinted Polymers Nanoparticles for Ultrasensitive Antibiotic Detection in Aquatic Environments	
15:15		F. Ibrahim	MIP-modified screen-printed electrodes for electrochemical detection of PFOA in water	
15:30		V. Syritski	Molecularly Imprinted Electrodes with Built-In Redox Activity for Direct Biomarker Detection	
15:45		S. Bakhshi Sichani	A MIP-based impedimetric sensor for the detection of molecular biomarkers in exhaled-breath condensate	
16:00		T. Cowen	Molecularly imprinted polymer gas sensors; contemporary opportunities	
16:15	Farwell Session			