



Biomed MIT 2022

Agenda

Sept. 26-28, 2022 | Nanjing, China

Website: <https://www.rsc.org/events/detail/74384/international-symposium-on-molecular-imprinting-technology-for-biomedical-applications-biomed-mit-2022/>

Date	Time	Type	Speaker Institute	Title
9.26 CST*	15:00-15:30	Opening	Zhen Liu <i>Chairman</i>	Introduction and welcome address
			Wei Wang <i>Vice Dean of SCCE</i>	Brief Introduction of SCCE of NJU
			Klaus Mosbach <i>Lund University</i>	Address
			Mike Whitcombe <i>Chairman of The Society for MI</i>	Opening address
	15:30-18:15	Session chairman: Zhen Liu, Mike Whitcombe		
	15:30-16:15	PL	Weihong Tan <i>Shanghai Jiaotong University & Hunan University</i>	DNA functional biomaterials and molecular networks
	16:15-17:00	PL	Xiaoyuan (Shawn) Chen (Recorded video) <i>National University of Singapore</i>	Modulating immunosuppressive tumor microenvironment with nanomedicine
	17:00-17:45	PL	Karsten Haupt <i>University of Technology Compiègne</i>	Molecularly imprinted polymers as synthetic antibodies: New trends, approaches and applications
	17:45-18:15	KN	Ian Nicholls <i>Linnaeus University & Univ. Uppsala</i>	Hierarchical Imprinting in Materials from Maize, Milk and Malacostraca



	19:00-23:00	Session chairman: Börje Sellergren, Huiqi Zhang		
	19:00-19:30	KN	Lei Ye <i>Lund University</i>	Molecular imprinting by precipitation polymerization – from mechanistic understanding to polymer engineering
	19:30-20:00	KN	Alessandra Maria Bossi <i>The University of Verona</i>	From protein imprinting to imprinting proteins. Different perspectives but one goal: nanoMIPs to meet the clinical needs
	20:00-20:30	KN	Bernadette Tse Sum Bui <i>University of Technology Compiègne</i>	Applications of MIPs in vivo: myth or reality?
	20:30-21:00	KN	Juewen Liu <i>University of Waterloo</i>	Molecular imprinting with DNA aptamers and nanozymes
	21:00-21:20	I	Huiqi Zhang <i>Nankai University</i>	Complex biological sample-compatible fluorescent molecularly imprinted polymers
	21:20-21:40	I	Zihui Meng <i>Beijing Institute of Technology</i>	Fabrication of molecularly imprinted colloids for the sensing of explosives
	21:40-22:00	I	Lianghai Hu <i>Jilin University</i>	Molecular imprinting for recognition of protein, virus, exosome and beyond
	22:00-22:30	KN	David Spivak <i>Louisiana State University</i>	Aptamer based imprinting of ssDNA for Biodetection
	22:30-23:00	KN	Yan Zhao <i>Iowa State University</i>	Molecularly imprinted nanoparticles (MINPs) as selective, robust artificial enzymes
9.27 CST	09:00-12:00	Session chairman: Zhen Liu, Junqiu Liu		
	09:00-09:45	PL	Warren C.W. Chan <i>University of Toronto</i>	Nanoparticle delivery to solid tumors
	09:45-10:30	PL	Yingfu Li <i>McMaster University</i>	Functional nucleic acids as bacterial and viral sensors
	10:30-11:15	PL	Kenneth J. Shea <i>University of California, Irvine</i>	Synthetic antibodies from statistical hydrogel copolymers and their relationship to molecular imprinting
	11:15-11:35	I	Xiantao Shen <i>Huazhong University of Science and Technology</i>	Next generation of bacterial imprinting based on bacterial chemotaxis



11:35-11:55	I	Li Qi (Recorded video) <i>Institute of Chemistry, Chinese Academy of Sciences</i>	Stimuli-responsive MIPs for selective capture and release of proteins
15:00-18:10	Session chairman: Sergey Piletsky, Qiong Jia		
15:00-15:45	PL	Xiaogang Qu <i>Changchun Institute of Applied Chemistry, Chinese Academy of Sciences</i>	Biomolecular Chiral Recognitions and Their Applications
15:45-16:15	KN	Meiping Zhao <i>Peking University</i>	Sequential surface imprinting of proteins over magnetic nanoparticles
16:15-16:35	I	Elena Piletska (Recorded video) <i>University of Leicester</i>	In vivo applications of MIP nanoparticles
16:35-16:55	I	Qiong Jia <i>Jilin University</i>	Design of host-guest anchored epitope imprinting polymers and application to sensitive detection of cancer biomarkers
16:55-17:15	I	Shun Feng <i>Southwest Jiaotong University</i>	Preparation of two different peptide-MIPs for cancer remedy
17:15-17:35	I	Kaiguang Yang <i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences</i>	Molecular imprinting towards clinical liquid biopsy markers: from circulating tumor cells (CTCs) to exosomes.
17:35-17:55	I	Yanyan Huang <i>Institute of Chemistry, Chinese Academy of Sciences</i>	Biomimetic peptide binders and affinity nanointerfaces for synergetic cancer theranostics
17:55-18:10	O	Yulong Jin <i>Institute of Chemistry, Chinese Academy of Sciences</i>	Hydrazone bond-oriented surface imprinted nanospheres for the selective recognition of peptides and proteins in bio-samples
19:00-22:30	Youth Forum chairman: Meiping Zhao, Guoqing Pan Competition judge: Meiping Zhao, Guoqing Pan, Börje Sellergren, Sergey Piletsky, Bernadette Tse Sum Bui, Ian Nicholls, Lei Ye, Kaiguang Yang, Rongrong Xing		



19:00-19:12	Y	Kun Xu <i>Institute of Chemistry, Chinese Academy of Sciences</i>	Design and affinity screening of tetraspanin-targeting peptides for imaging and migration inhibition of cancer cells
19:12-19:24	Y	Jingjing Xu <i>Shanghai University</i>	Artificially intelligent detection based on molecularly imprinted nanoprobe
19:24-19:36	Y	Wei Chen <i>Shandong University of Science and Technology</i>	Biomimetic design of molecularly imprinted polymers for sensing applications
19:36-19:48	Y	Maryam Arabi (Recorded video) <i>Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences</i>	Advanced imprinting techniques with excellent recognition properties
19:48-20:00	Y	Anil Incel <i>Malmö University</i>	Capture of rare PTMs
20:00-20:12	Y	Tong Zhang <i>Malmö University</i>	Detection and cell imaging of a prostate cancer biomarker
20:12-20:24	Y	Ying Li <i>Nanjing University</i>	Rational development of nanoMIPs for broad-spectrum viral inhibition
20:24-20:36	Y	Peixin Guan <i>Nanjing University</i>	Stimulation of innate immunity for triple- negative breast cancer via an antibody- recruiting molecularly imprinted polymer
20:36-21:00	Break		
21:00-21:12	Y	Xing-Hui Ren <i>Nankai University</i>	Exploring the application of epitope imprinting technology in bioimaging and cancer therapy
21:12-21:24	Y	Zhenqiang Shi <i>Dalian Institute of Chemical Physics, Chinese Academy of Sciences</i>	Functional polymeric biomaterials towards in-situ toxin separation from blood
21:24-21:36	Y	Xiaoting Xue <i>Lund University</i>	Isothermal amplification of protein recognition by molecularly imprinted polymer using hybridization chain reaction
21:36-21:48	Y	Noel Angelo Kalacas <i>University of Technology of Compiègne</i>	Molecularly imprinted polymer nanogels for the detection of kidney failure biomarkers: a rational approach
21:48-22:00	Y	Kerstin Golker <i>Linnaeus University</i>	The impact of a methyl group on mip morphology and recognition – AA versus MAA



	22:00-22:12	Y	Subramanian Suriyanarayanan <i>Linnaeus University</i>	Hierarchically grown chloramphenicol selective poly(caffeic acid) nanostructures
	22:12-22:24	Y	Foroogh Bahrami <i>Iowa State University</i>	Imprinted polymeric nanoparticles as artificial enzymes for ester hydrolysis at room temperature and pH 7
9.28 CST	15:00-18:00	Session chairman: Lingxin Chen, Clovia Holdsworth		
	15:00-15:45	PL	Börje Sellergren (Recorded video) <i>Malmö University</i>	MIPs and rSAMs: Recent examples using “lock and key” and dynamic, multivalent receptor models
	15:45-16:15	KN	Guoqing Pan <i>Jiangsu University</i>	Molecularly imprinted artificial inhibitor for regulation of cell behaviors
	16:15-16:45	KN	Junqiu Liu <i>Hangzhou Normal University</i>	Protein assembly: A new platform to develop biomimetic system
	16:45-17:05	I	Lingxin Chen (Recorded video) <i>Yantai Institute of Coastal Zone Research, Chinese Academy of Sciences</i>	Molecular imprinting technology for Environmental Applications
	17:05-17:25	I	Clovia Holdsworth <i>University of Newcastle</i>	MIP synthesis, binding characterisation and non-imprinting molecular capture: All about alternatives
	17:25-17:45	I	Qin Xu <i>Yangzhou University</i>	Molecular imprinted polymers functionalized surface for small molecular analysis
	17:45-18:00	O	Yang Chen <i>Bengbu Medical College</i>	Boronate affinity molecularly imprinted materials based efficient therapeutic drug monitoring for biopharmaceutics
	19:00-20:30	Session chairman: Lei Ye		
	19:00-19:45	PL	Sergey Piletsky <i>University of Leicester</i>	MIP nanoparticles for diagnostics and imaging applications
	19:45-20:30	PL	Zhen Liu <i>Nanjing University</i>	Molecular imprinting of 50 years: Quo vadis?



	20:30-21:30	Open Forum chairman: Lei Ye, Andrew Hall, Ian Nicholls		
	21:30-22:00	Awarding and Closing Session	Zhen Liu <i>Chairman</i>	Concluding remarks
			Mike Whitcombe <i>Chairman of The Society for MI</i>	Remarks and closing address

* CST: Chinese Standard Time, Beijing Time

Table 1. Time offset

City, Nation	Time Zone	To Beijing Time	UTC
Nanjing, China	CST(Beijing Time)	0	UTC+8
Singapore City, Singapore	SGT	0	UTC+8
Ontario, Canada	EDT	-12	UTC-4
California, US	PDT	-15	UTC-7
Louisiana, US	CDT/EST	-13	UTC-5
Iowa, US	CDT/EST	-13	UTC-5
Lund, Sweden	CEST	-6	UTC+2
Skåne, Sweden	CEST	-6	UTC+2
Växjö, Sweden	CEST	-6	UTC+2
Compiègne, France	CEST	-6	UTC+2
Verona, Italy	CEST	-6	UTC+2
Leicester, UK	BST	-7	UTC+1
Newcastle, Australia	AEST	+2	UTC+10