



3rd International Conference
of Molecular Engineering of Polymers
第三届聚合物分子工程国际学术会议

Sept. 17-21, 2026 | Shanghai, China



Program

Organizers



State Key Laboratory of Molecular
Engineering of Polymers (Fudan University)



Department of Macromolecular Science,
Fudan University



ORGANIZATION

• Organizer:

State Key Laboratory of Molecular Engineering of Polymers
Department of Macromolecular Science, Fudan University

• President:

Jiandong Ding

• Organizing Committee:

Ming Jiang	Yuliang Yang	Dongyuan Zhao	Huisheng Peng
Jiandong Ding	Shunhou Liu	Jiguang Zhou	Weihua Li
Peihong Cong	Wuli Yang	Guosong Chen	Jianfeng Li
Xuemei Sun	Liangliang Zhu	Mao Chen	Juan Peng
Yue Gao	Xueyan Feng	Shengjie Ling	Xiayun Huang

• Secretary General:

Juan Peng

TOPICS

- ◇ Session 1: Synthesis, Structure and Function of Polymers
- ◇ Session 2: Commodity Polymers & Polymer Physics
- ◇ Session 3: Biomedical Materials
- ◇ Session 4: Energy-related Materials

Dear MEP-2026 attendees,

Welcome to the 3rd International Conference of Molecular Engineering of Polymers (MEP-3 or MEP-2026), which is organized by the State Key Laboratory of Molecular Engineering of Polymers and the Department of Macromolecular Science, Fudan University.

The MEP conference is a series of conferences on molecular engineering of polymers. The 1st (MEP-1 or MEP-2016) and 2nd conferences (MEP-2 or MEP-2018) were held in Shanghai, China. The 3rd conference (MEP-3 or MEP-2026) will also be held in Shanghai, China, from Sep. 17-21, 2026. The reception is on Sep. 17, 2026. The MEP-3 or MEP2026 continues to provide an international platform for scientists, engineers and students around the world to exchange the latest developments in MEP and establish research collaborations among attendees. There are four sessions in MEP-2026: (1) Synthesis, Structure and Function of Polymers, (2) Commodity Polymers & Polymer Physics, (3) Bio-medical Materials, and (4) Energy-related Materials. In addition, there is a Poster session (Poster Introduction of PIs in the State Key Laboratory of MEP) held on Sep. 18, and a Young Scientists Forum in parallel with the Poster presentation and competition held on Sep. 19.

The MEP series try to offer more chances to young scholars and pay much attention to young researchers active in molecular engineering of polymers. Once again, the conference this time presents MEP Young Talent Award and MEP Poster Award, which have been or will be selected by a high-level international committee.

Fudan University is located at the heart of Shanghai, offering convenient access to the many historic and modern sites. The conference hotel is close to Fudan University. We wish you a great experience in MEP-2026. Enjoy your stay in Shanghai.

Yours sincerely,
Organizing Committee of MEP-2026

• Presentation Information

Note of lecture time: In order to keep order of the academic program and leave sufficient time for discussion, we kindly remind all of speakers the following:

Plenary Lcture (PL): 45 min = (38 + 7) min. The 38 min includes introduction of CV of the lecturer by the chair, going up onto the platform and getting ready for slide (so leaving the net lecture time about **35 min as usual**); the 7 min includes questions and answers, conferring certificate by the chair, stepping down from the platform.

Young Talent Lecture (TL): 30 min = (25 + 5) min. The 25 min includes introduction of CV of the lecturer by the chair, going up onto the platform and getting ready for slide (so leaving the net lecture time about **22 min as usual**); the 5 min includes questions and answers, conferring cup and certificate by the chair, stepping down from the platform.

Keynote Invited Lecture (IL): 30 min = (25 + 5) min. The 25 min includes introduction of lecturer and lecture title (usually without CV) by chair, going up onto the platform and getting ready for slide (so leaving the net lecture time about **23 min as usual**); the 5 min includes questions and answers, stepping down from the platform.

Young Scientists Forum (YS): 15 min = (11 + 4) min. The 11 min includes introduction of lecturer and lecture title by chair, going up onto the platform and getting ready for slide (so leaving the net lecture time about **10 min as usual**); the 4 min includes questions and answers, stepping down from the platform.

Oral Lecture (OL): 15 min = (11 + 4) min. The 11 min includes introduction of lecturer and lecture title by chair, going up onto the platform and getting ready for slide (so leaving the net lecture time about **10 min as usual**); the 4 min includes questions and answers, stepping down from the platform.

• Poster Session

The Poster introduction of PIs in the State Key Laboratory of MEP will be held on the 3rd floor (Shanghai Ballroom) at Sheraton Shanghai Waigaoqiao Hotel from 11:00 to 12:00 on September 18.

The poster session will be held on the 5th floor (Corridor) at the Sheraton Shanghai Waigaoqiao Hotel from 16:00 to 17:45 on September 19. Authors may remove their posters after the poster session; any posters left will be discarded. 10 posters will be awarded.

• Welcome Reception Dinner

The welcome reception dinner will start at 18:00 on Thursday, 17th September on the 1st Floor (Restaurant Bay Leaf), Sheraton Shanghai Waigaoqiao Hotel. This event is included in the registration, and we welcome all of you to enjoy food and beverage.

• Lunches and Dinners

Lunches and dinners are all included in the registration. Delegates can have the lunches and dinners on the 1st Floor (Restaurant Bay Leaf), Sheraton Shanghai Waigaoqiao Hotel. Please keep your meal coupon with you.

• Conference Hall

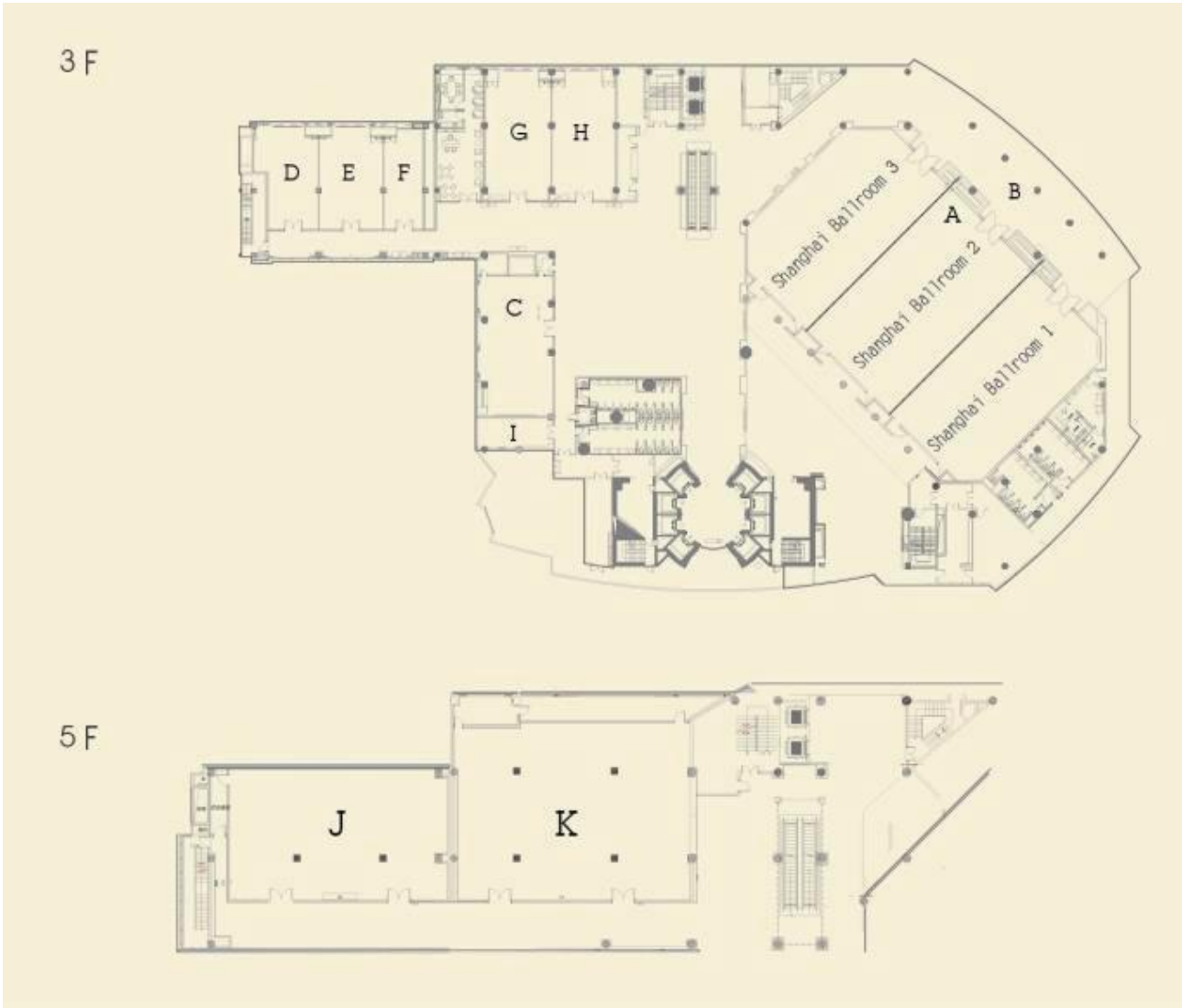
Sheraton Shanghai Waigaoqiao Hotel, No. 28 Jilong Road, Pilot Free Trade Zone, Pudong New Area, Shanghai.

• Contact Information

Office of Conference Affairs: 1st Floor, Sheraton Shanghai Waigaoqiao Hotel.

Session 1	Xi Room, 5th Floor	Session 2	Lu Room 2, 3rd Floor
Session 3	Shou Room, 5th Floor	Session 4	Fu Room 2, 3rd Floor
Young Scientists Forum		Xi Room, Shou Room, 5th Floor	

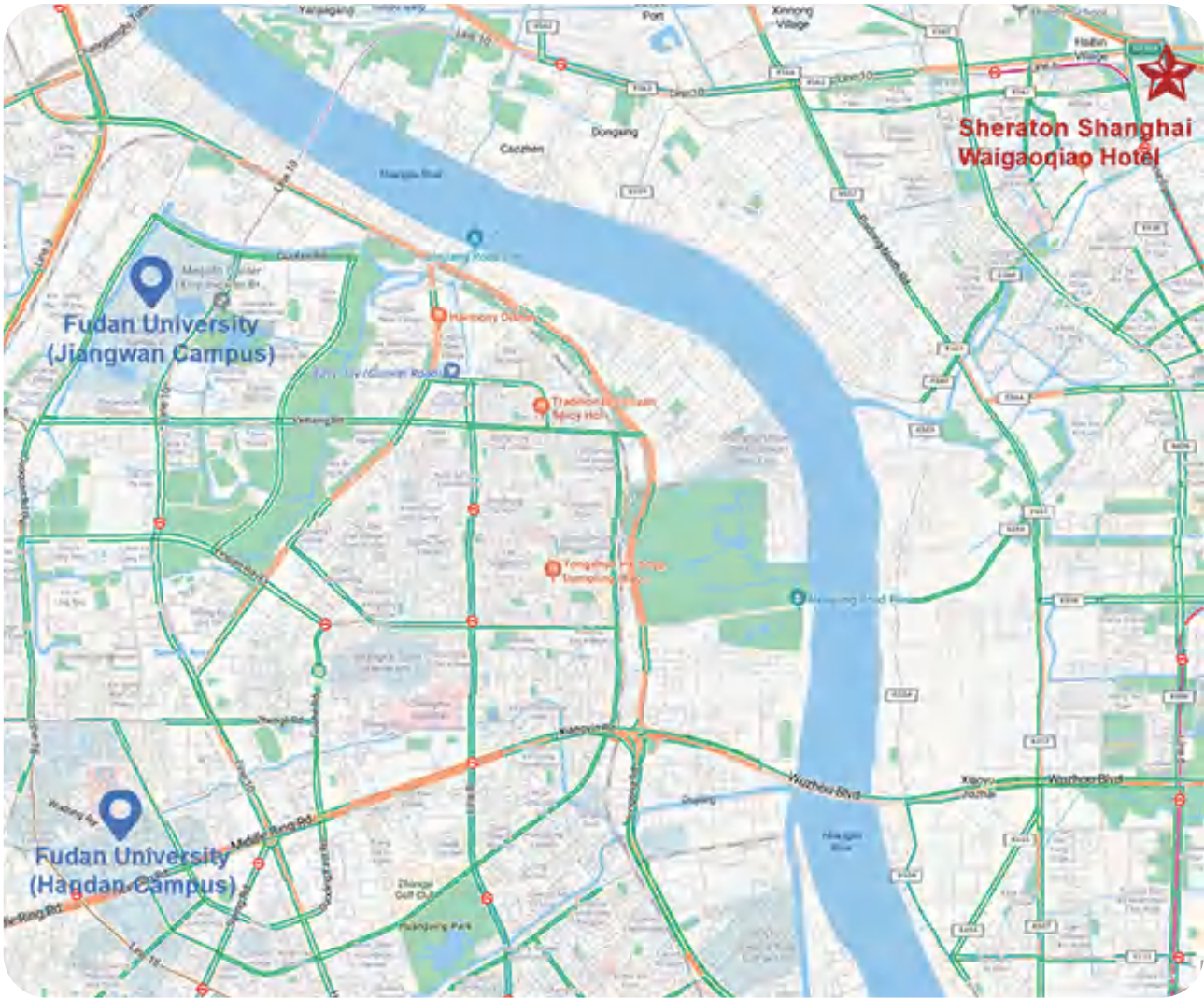
• Map of Sheraton Shanghai Waigaoqiao Hotel



- A** Shanghai Ballroom
- C** VIP Room
- E** Fu Room 2
- H** Lu Room 2
- J** Shou Room
- K** Xi Room

- **Hotel**
Sheraton Shanghai Waigaoqiao Hotel
+86-21-31219999

• Map



• The way to Sheraton Shanghai Waigaoqiao Hotel

Taxi:

The distance between Pudong International Airport and Sheraton Shanghai Waigaoqiao Hotel is 35 km, and the taxi fee is about 110 RMB. The distance between Hongqiao Hub and Sheraton Shanghai Waigaoqiao Hotel is 42 km, the taxi fee is around 120 RMB. The distance between Shanghai Railway Station and Sheraton Shanghai Waigaoqiao Hotel is 22 km, the taxi fee is around 80 RMB. The distance between Shanghai South Railway Station and Sheraton Shanghai Waigaoqiao Hotel is 32 km, the taxi fee is around 95 RMB. (A 30% night sur-charge applies form 11 pm to 5 am)

Subway:

- (1) At Pudong International Airport, take Metro Line 2 to "Century Avenue" sta-tion, transfer to Line 6 (towards Gangcheng Road), get off at "Waigaoqiao Free Trade Zone (N)" station, exit from Exit 1, and walk about 440 meters to reach the hotel.
- (2) From Hongqiao T1/T2 and Hongqiao Railway Station, take Metro Line 10 (towards Jilong Road) to "Jilong Road" station, exit from Exit 2, and walk about 300 meters to arrive.
- (3) From Shanghai Railway Station, take Metro Line 4 (on the Inner Loop) to "Hailun Road" station, transfer to Line 10 (towards Jilong Road), get off at "Jilong Road" station, exit from Exit 2, and walk about 300 meters to reach the hotel.
- (4) From "Shanghai South Railway Station", take Metro Line 1 (towards Fujin Road) to "South Shaanxi Road" station, transfer to Line 10 (towards Jilong Road), get off at "Jilong Road" station, exit from Exit 2, and walk about 300 meters to arrive.

Sep.17	13:00-21:00	Registration			
	18:00-20:30	Reception			
Sep.18	Room	Shanghai Ballroom, 3rd Floor			
	8:45-9:00	Opening Ceremony			Chair
	9:00-9:45	PL-1: Krzysztof Matyjaszewski <i>Carnegie Mellon University</i> Macromolecular Engineering via Atom Transfer Radical Polymerization: Synthesis and Applications			Xinhe Bao
	9:45-10:30	PL-2: Dennis E. Discher <i>University of Pennsylvania</i> Convergent Science for Solid Tumors: From Polymersomes & Filomicelles to Macrophage Checkpoint Disruption & Cancer Immunity			Huisheng Peng
	10:30-11:00	Group Photo & Coffee Break			
	11:00-12:00	Poster Introduction of PIs in the State Key Laboratory of MEP			
		Jiandong Ding	Jianfeng Li-Yuliang Yang		Guosong Chen-Long Li-Ming Jiang
		Kaiwen Zeng-Huisheng Peng		Qingshu Dong-Weihua Li	
		Jue Deng	Yonghui Deng	Xueyan Feng	Yue Gao
		Xun Guan	Xiayun Huang	Ya Huang	Myongsoo Lee
		Meng Liao	Shengjie Ling	Yixin Liu	Juan Peng
		Jiajun Qin	Yutao Sang	Ying Wang	ChangchunWang
		Yifei Xu	Qiang Yan	Jungi Yi	Yuwen Zeng
		Letian Zhang	Songlin Zhang	Chen Zhao	Liangliang Zhu
	12:00-13:30	Lunch			

Sep.18	Room	Session 1 (Xi Room, 5th Floor)	Session 2 (Lu Room 2, 3rd Floor)	Session 3 (Shou Room, 5th Floor)	Session 4 (Fu Room 2, 3rd Floor)
	Chair	Guosong Chen/Myongsoo Lee	Jianfeng Li/Junpo He	Jiandong Ding/Ping Zhou	Xuemei Sun/Liangliang Zhu
	14:00-14:30	IL-1-1: Rong-Ming Ho National Tsing Hua University (NTHU) Block Copolymer-Templated Synthesis for Nanonetwork Materials as Mechanical Metamaterials	IL-2-1: Volker Abetz University of Hamburg Thermoreversible Polymer Networks based on Non-covalent or Covalent Interactions	IL-3-1: Kristopher A. Kilian The University of New South Wales Nature Inspired Soft Materials: From Supramolecular Assembly to Hydrogel Mechanochemistry	IL-4-1: Fei Huang South China University of Technology N-Type Conjugated Polymers for High-performance Organic Electronic Devices
	14:30-15:00	IL-1-2: Kazunori SUGIYASU Kyoto University The Role of Hydrogen Bonding in the Formation and Dynamics of Two Distinct Types of Cyclic Supramolecular Polymers	IL-2-2: Yongfeng Men Changchun Institute of Applied Chemistry, Chinese Academy of Sciences Polybutene-1: Model Polymer for Crystallization and Mechanical Property Studies	IL-3-2: Yucai Wang University of Science and Technology of China Overcoming Hepatic Clearance in Drug Delivery: A Gut–Liver Axis Governs Therapeutic Delivery Efficiency	IL-4-2: Xiulin Fan Zhejiang University Electrolyte Design and Interfacial Mechanism for Fast-charging Li-ion Batteries
	15:00-15:30 or 15:00-15:15 (session 4)	OL-1: He Zhu The Chinese University of Hong Kong, Shenzhen Synthesis and Applications of High-Performance Polyurethane Elastomers OL-2: Qingbao Guan Donghua University High Performance Liquid Crystalline Polyarylate and Its Composites	OL-1: Ying Zhao Dalian Minzu University From Nanoscale Interface to Macroscopic Conductivity: A Physics-Guided Graph Framework for Conductive Polymer Composites OL-2: De-Wen Sun Changchun Institute of Applied Chemistry Chinese Academy of Sciences Abnormal Free-energy Relationship between Normal and Reverse Mesostructures in Block Copolymers	OL-1: Xiang Yao Donghua University Engineering Conformational Transition in Silk Fibroin Hydrogels to Create Advanced Dynamic Microenvironment and Functional Material for Biomedical Applications OL-2: Xiaojing Liu Sichuan University Nanoscale Distribution of Bioactive Ligands on Biomaterials Regulates Cell Mechanosensing through Translocation of Actin into Nucleus	OL-1: Zefan Yao Peking University Crystals and Crystal Structures of Conjugated Polymers
	15:30-16:00	Coffee Break			

Sep.18	Room	Session 1 (Xi Room, 5th Floor)	Session 2 (Lu Room 2, 3rd Floor)	Session 3 (Shou Room, 5th Floor)	Session 4 (Fu Room 2, 3rd Floor)
	Chair	Yanlei Yu Shao dong Zhang	Juan Peng/Yifei Xu	Zhengzhong Shao/Yuting Lou	Xiaomin Li/Chen Zhao
	16:00-16:30	IL-1-3: Makoto Ouchi Kyoto University Unlocking Precision Polymers through the Radical Polymerization of Rationally Designed Monomers	IL-2-3: Jinliang Qiao SINOPEC Beijing Research Institute of Chemical Industry Polymerization Separation: A New Approach to Promote the Development of Commodity Polymers	IL-3-3: Ilia Platzman Max Planck Institute for Medical Research Design of Natural and Synthetic Immune Cells for Immunological Applications	IL-4-3: Feng He Southern University of Science and Technology Precise Synthesis and Hierarchical Structural Regulation of Oligomeric Optoelectronic Materials
	16:30-17:00	IL-1-4: Edmondo M. Benetti University of Padova Controlled Radical Polymerizations for Engineering Surfaces—and Surfaces for Guiding Controlled Radical Polymerizations	IL-2-4: Yanchun Han Changchun Institute of Applied Chemistry, Chinese Academy of Sciences Optimizing Morphology of Stretchable Conjugated Polymer Films to Trade off the Charge Transport and Mechanical Properties	IL-3-4: Qiang Wei Sichuan University Cellular Mechanotransduction and Force Transmission	IL-4-4: Sang Cheol Kim National University of Singapore Characterizing Electrolyte Solvation Thermodynamics of Li and Na Batteries
	17:00-17:30	IL-1-5: Min Sang Kwon Seoul National University (SNU) Visible-Light-Driven Polymerizations with Organic Photocatalysts	IL-2-5: Xinghua Shi National Center for Nanoscience and Technology CVgen-multi: An Adaptive Multidimensional Framework for Exploring Diverse Biomolecular Conformational Transitions	IL-3-5: Nan Ma Free University of Berlin Biomaterials Mimic the Blastocyst Geometry Revert Pluripotent Stem Cell to Naivety	IL-4-5: Yoonseob Kim The Hong Kong University of Science and Technology Covalent Organic Frameworks for Next-Generation Batteries: Design and Applications
	17:30-17:45	OL-3: Meng Huo Northeastern University Functional Polymers Based on Sulfone Bonding	OL-3: Xiaoli Sun Beijing University of Chemical Technology Tailoring Multiscale Structures and Engineering of Ferroelectric Polymers	OL-3: Yijun Zheng ShanghaiTech University Chemical Reaction Networks for Nonequilibrium “Active” Materials	OL-2: Huanrui Zhang Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences Functional Polymer Electrolytes Enable High-safety and High-energy-density Lithium Batteries
	18:00 / 19:00-	Dinner / Free Discussion			

Sep.19	Room	Session 1 (Xi Room, 5th Floor)	Session 2 (Lu Room 2, 3rd Floor)	Session 3 (Shou Room, 5th Floor)	Session 4 (Fu Room 2, 3rd Floor)
	Chair	Junli Hou/Yang Wang	Ping Tang/Yuwen Zeng	Weijia Zhang/Junqi Yi	Bo Zhang/Xiaosheng Fang
	8:30-9:00	IL-1-6: Yoshiko Miura <i>Kyushu University</i> Tailor-Made Glycopolymers via Precision Polymerization for Advanced Molecular Recognition	L-2-6: An-Chang Shi <i>McMaster University</i> Theory of Complex Spherical Packing Phases in Soft Matter	IL-3-6: Xinge Yu <i>City University of Hong Kong</i> Soft Active Electronics for Healthcare Monitoring	IL-4-6: Huanli Dong <i>Institute of Chemistry, Chinese Academy of Sciences</i> Large-area Crystalline Conjugated Polymers and Devices
	9:00-9:30	IL-1-7: Masato Ikeda <i>Gifu University</i> Stimuli-responsive Supramolecular Hydrogels Composed of Self-assembled Nanofiber Networks	IL-2-7: Liangbin Li <i>National Synchrotron Radiation Laboratory</i> Polymer Film Processing: In-situ Synchrotron Radiation Study	IL-3-7: Xiao-Hua Qin <i>Eidgenössische Technische Hochschule Zürich</i> Phototunable Hydrogels for Precision Organoid Engineering	IL-4-7: Yixin Zhao <i>Shanghai Jiao Tong University</i> Highly Stable Inorganic and Inorganic-like Perovskite for Efficient Photovoltaics
	9:30-10:00	OL-4: Guanghua Zhao <i>College of Food Science & Nutritional Engineering, China Agricultural University</i> Design and Biomedical Applications of Native Protein Hydrogels OL-5: Quan Luo <i>Jilin University</i> Biomacromolecule-Directed Precision Engineering of Gold Nanozymes for Biomedical Applications	IL-2-8: Li-Tang Yan <i>Tsinghua University</i> Life at Cold Extremes Sustained by Entropy Buffering	OL-4: Jingming Gao <i>Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine</i> DLP Bioprinted Ultra-Biomimetic Trachea with Spatiotemporal Angiogenesis Regulation for Segmental Airway Reconstruction OL-5: Ruixiang Li <i>Shanghai University of Traditional Chinese Medicine</i> Thermal Responsive Materials for Drug Delivery	OL-3: Jiande Wang <i>Hunan University</i> Conjugated Sulfonamide for Next Generation Energy Storage OL-4: Panchao Yin <i>South China University of Technology</i> Dynamics Studies-guided Innovation of Ionic Conductors
	10:00-10:30	Coffee Break			

Sep.19	Room	Session 1 (Xi Room, 5th Floor)	Session 2 (Lu Room 2, 3rd Floor)	Session 3 (Shou Room, 5th Floor)	Session 4 (Fu Room 2, 3rd Floor)
	Chair	Jue Deng/Long Li	Hongbin Lu/Letian Zhang	Zhuo Li/Xiaowen Liu	Yue Gao/Bingjie Wang
	10:30-11:00	IL-1-8: Takafumi Ueno <i>Institute of Science Tokyo</i> Design of Functional Clusters within a Protein Cage	IL-2-9: Enrique D. Gomez <i>The Pennsylvania State University</i> Cryo-EM Reveals Structure and Assembly of Polymer Mixed Conductors	IL-3-8: Phillip B. Messersmith <i>University of California, Berkeley</i> Water-Triggered Polymerization of α-Lipoic Acid for Surgical Adhesion	IL-4-8: Mingming Guo <i>Jiangsu University of Science and Technology</i> Novel Water-soluble Non-conjugated Luminescent Monomers and Polymers
	11:00-11:30 or 11:00-11:15 (Session 4)	IL-1-9: Ali Miserez <i>Nanyang Technological University</i> Sequence-Encoded Materials Properties of Peptide Coacervates for Controlled Intracellular Delivery of Macromolecular Therapeutics	IL-2-10: Zhong-Ren Chen <i>Southern University of Science and Technology</i> Polyolefin Research Guided by Polymer Physics: From Catalysis and Polymerization, to Processing and Performance	IL-3-9: Ki Jun Yu <i>Yonsei University</i> Transparent and Metal-Free PEDOT:PSS Neural Interfaces for Electrophysiological Recording and Stimulation	OL-5: Daiwei Wang <i>Tsinghua University</i> Material Design for Energy-dense All-solid-state Lithium-sulfur Batteries
	11:30-12:00	IL-1-10: Feng Li <i>Hokkaido University</i> Development of Novel Sustainable Polymers from Cellulose-Derived Compounds	IL-2-11: Biao Zuo <i>Zhejiang Sci-Tech University</i> Dynamics of Polymers at Surfaces and Under Confinement	IL-3-10: Dong June AHN <i>Korea University</i> Enthalpic Cryopreservation of Cells and Tissue Models	
	12:00-13:30	Lunch			

Sep.19	Room	Session 1 (Xi Room, 5th Floor)	Session 2 (Lu Room 2, 3rd Floor)	Session 3 (Shou Room, 5th Floor)	Session 4 (Fu Room 2, 3rd Floor)
	Chair	Mao Chen/Xiayun Huang	Ying Wang/Yixin Liu	Wuli Yang/Wei Lu	
	14:00-14:30	IL-1-11: Harm-Anton Klok <i>École Polytechnique Fédérale de Lausanne (EPFL)</i> Spontaneously Piezo- and Pyroelectric Polymer Brushes via Surface-Initiated Polymerization	IL-2-12: Jeff Z.Y. Chen <i>University of Waterloo</i> Neural-Network-Based Solver for Select Soft Matter Problems	IL-3-11: Thakur Raghu Raj Singh <i>Queen's University Belfast</i> Materials and Device Approach for Advancing Localised and Lon-acting Therapies for treating Ocular Diseases	
	14:30-15:00	IL-1-12: Wenxin Wang <i>University College Dublin</i> Beyond Flory's Principle in Step-growth Polymerization	IL-2-13: Shigeyuki Komura <i>Wenzhou Institute, University of Chinese Academy of Sciences</i> Emergence of Odd Elasticity in a Microswimmer using Deep Reinforcement Learning	IL-3-12: Jian Yang <i>Westlake University</i> Methodology of Citrate-Based Biomaterials Development	
	15:00-15:30 or 15:00-15:45 (session 2)	IL-1-13: Daryl W. Yee <i>École Polytechnique Fédérale de Lausanne (EPFL)</i> Simple Chemistries for the Additive Manufacturing of Advanced Materials	IL-2-14: Wenbing Hu <i>Nanjing University</i> Crystalline Polymer Models and their Interdisciplinary Impacts OL-4: Yucheng Zhao <i>South China University of Technology</i> Functional Multiblock Polymers: Bridging Molecular Architecture, Emergent Properties, and Circularity	OL-6: Peng Mi <i>Sichuan University</i> Targeting Drug Delivery Materials for Tumor Therapy	
	15:30-16:00	Coffee Break			
	16:00-17:45	Poster presentation and competition + Young Scientists Forum (2 parallel rooms)			

Sep.19	Room	Young Scientists Forum (Xi Room, 5th Floor)	Young Scientists Forum (Shou Room, 5th Floor)
	Chair	Xueyan Feng/Kaiwen Zeng	Shengjie Ling/Qiang Yan
	16:00-16:15	YS-1: Peng Liu <i>Eidgenössische Technische Hochschule Zürich</i> Mechanochemically Gated On-Demand Recycling of All-Carbon-Backbone Polymers	YS-6: Chunchun Ye <i>Nanyang Technological University</i> Polymers of Intrinsic Microporosity (PIMs) for Energy Storage and Low-Energy Hydrocarbon Separations
	16:15-16:30	YS-2: Zhiyong Wang <i>Max Planck Institute of Microstructure Physics</i> Organic Two-Dimensional Crystals: From Interfacial Synthesis to Emerging Charge and Ion Transport	YS-7: Yunlu Dai <i>University of Macau</i> Metal Coordination Biomaterials for Drug Delivery
	16:30-16:45	YS-3: Shuquan Cui <i>University of Minnesota</i> Block Copolymer Molecular Design to Address Practical Limitations to Recycling Polyolefin Blends	YS-8: Leonard Ng Wei Tat <i>Nanyang Technological University</i> From Photovoltaics to Hydrometallurgy: Self-Driving Laboratories as a Universal Engine for Accelerated Materials Discovery
	16:45-17:00	YS-4: Mingchao Zhang <i>National University of Singapore</i> Morphing Liquid-Crystal Polymer Voxels for Autonomous Optical Switching	YS-9: Chunmei Li <i>Tufts University</i> Unlocking Thermoplastic Processing of Biopolymers for Bioactive and Living Materials
	17:00-17:15	YS-5: Junzhi Liu <i>The University of Hong Kong</i> Non-alternant Hydrocarbon Chemistry and Materials	YS-10: Weiwei Kong <i>Wiley</i> Publishing in Wiley Physical Science Journals
	18:00 / 19:00-	Dinner / Free Discussion	

Sep.20	Room	Shanghai Ballroom, 3rd Floor	Chair
	8:30-9:15	PL-3: Youqing Shen <i>Zhejiang University</i> Design and Synthesis of a Skin-permeable Polymer for Transdermal Biomacromolecular Delivery	Yunqi Liu
	9:15-9:45	TL-1: Arthi Jayaraman <i>Science Next Team, IBM Consulting, France</i> Accelerating Polymer and Soft Materials Innovation Using Machine Learning, Molecular Modelling and Simulations	Weihua Li
	9:45-10:00	Coffee Break	
	10:00-10:30	TL-2: Brett P. Fors <i>Cornell University</i> Sustainable Thermosets from Dihydrofuran	Guoqiang Lin
	10:30-11:00	TL-3: Changle Chen <i>University of Science and Technology of China</i> High Value Transformation and Recycling of Commodity Polyolefins	Jinliang Qiao
	11:00-11:30	Closing Ceremony Including Young Talent Awards & MEP Poster Awards	
	11:30-13:00	Lunch	
	13:30-17:30 / 18:00	Free Discussion / Dinner	

No.	Title/Presenter
PL-1	Macromolecular Engineering via Atom Transfer Radical Polymerization: Synthesis and Applications Krzysztof Matyjaszewski <i>Carnegie Mellon University, US</i>
PL-2	Convergent Science for Solid Tumors: From Polymersomes & Filomicelles to Macrophage Checkpoint Disruption & Cancer Immunity Dennis E. Discher <i>University of Pennsylvania, US</i>
PL-3	Design and Synthesis of a Skin-permeable Polymer for Transdermal Biomacromolecular Delivery Youqing Shen <i>Zhejiang University, CHINA</i>
TL-1	Accelerating Polymer and Soft Materials Innovation Using Machine Learning, Molecular Modelling and Simulations Arthi Jayaraman <i>Science Next Team, IBM Consulting, FRANCE</i>
TL-2	Sustainable Thermosets from Dihydrofuran Brett P. Fors <i>Cornell University, US</i>
TL-3	High Value Transformation and Recycling of Commodity Polyolefins Changle Chen <i>University of Science and Technology of China, CHINA</i>

No.	Title/Presenter
IL-1-1	Block Copolymer-Templated Synthesis for Nanonetwork Materials as Mechanical Metamaterials Rong-Ming Ho <i>National Tsing Hua University, Taiwan, China</i>
IL-1-2	The Role of Hydrogen Bonding in the Formation and Dynamics of Two Distinct Types of Cyclic Supramolecular Polymers Kazunori SUGIYASU <i>Kyoto University, Japan</i>
IL-1-3	Unlocking Precision Polymers through the Radical Polymerization of Rationally Designed Monomers Makoto Ouchi <i>Kyoto University, Japan</i>
IL-1-4	Controlled Radical Polymerizations for Engineering Surfaces—and Surfaces for Guiding Controlled Radical Polymerizations Edmondo M. Benetti <i>University of Padova, Italy</i>
IL-1-5	Visible-Light-Driven Polymerizations with Organic Photocatalysts Min Sang Kwon <i>Seoul National University, Republic of Korea</i>
IL-1-6	Tailor-Made Glycopolymers via Precision Polymerization for Advanced Molecular Recognition Yoshiko Miura <i>Kyushu University, Japan</i>
IL-1-7	Stimuli-responsive Supramolecular Hydrogels Composed of Self-assembled Nanofiber Networks Masato Ikeda <i>Gifu University, Japan</i>

No.	Title/Presenter
IL-1-8	Design of Functional Clusters within a Protein Cage Takafumi Ueno <i>Institute of Science Tokyo, Japan</i>
IL-1-9	Sequence-Encoded Materials Properties of Peptide Coacervates for Controlled Intracellular Delivery of Macromolecular Therapeutics Ali Miserez <i>Nanyang Technological University (NTU), Singapore</i>
IL-1-10	Development of Novel Sustainable Polymers from Cellulose-Derived Compounds Feng Li <i>Hokkaido University, Japan</i>
IL-1-11	Spontaneously Piezo- and Pyroelectric Polymer Brushes via Surface-Initiated Polymerization Harm-Anton Klok <i>École Polytechnique Fédérale de Lausanne (EPFL), Switzerland</i>
IL-1-12	Beyond Flory's principle in step-growth polymerization Wenxin Wang <i>University College Dublin, UK</i>
IL-1-13	Simple Chemistries for the Additive Manufacturing of Advanced Materials Daryl W. Yee <i>École Polytechnique Fédérale de Lausanne (EPFL), Switzerland</i>

No.	Title/Presenter
IL-2-1	Thermoreversible Polymer Networks Based on Non-covalent or Covalent Interactions Volker Abetz <i>University of Hamburg; Helmholtz-Zentrum Hereon, Germany</i>
IL-2-2	Polybutene-1: Model Polymer for Crystallization and Mechanical Property Studies Yongfeng Men <i>Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China</i>
IL-2-3	Polymerization Separation: A new approach to promote the development of commodity polymers Jinliang Qiao <i>SINOPEC Beijing Research Institute of Chemical Industry, China</i>
IL-2-4	Optimizing Morphology of Stretchable Conjugated Polymer Films to Trade off the Charge Transport and Mechanical Properties Yanchun Han <i>Changchun Institute of Applied Chemistry, Chinese Academy of Sciences, China</i>
IL-2-5	CVgen-multi: An Adaptive Multidimensional Framework for Exploring Diverse Biomolecular Conformational Transitions Xinghua Shi <i>National Center for Nanoscience and Technology (NCNST), Chinese Academy of Sciences, China</i>
IL-2-6	Theory of Complex Spherical Packing Phases in Soft Matter An-Chang Shi <i>McMaster University, Canada</i>
IL-2-7	Polymer Film Processing: In-situ Synchrotron Radiation Study Liangbin Li <i>National Synchrotron Radiation Laboratory, China</i>

No.	Title/Presenter
IL-2-8	Life at Cold Extremes Sustained by Entropy Buffering Li-Tang Yan <i>Tsinghua University, China</i>
IL-2-9	Cryo-EM Reveals Structure and Assembly of Polymer Mixed Conductors Enrique D. Gomez <i>The Pennsylvania State University, US</i>
IL-2-10	Polyolefin Research Guided by Polymer Physics: From Catalysis and Polymerization, to Processing and Performance Zhong-Ren Chen <i>Southern University of Science and Technology, China</i>
IL-2-11	Dynamics of Polymers at Surfaces and Under Confinement Biao Zuo <i>Zhejiang Sci-Tech University, China</i>
IL-2-12	Neural-Network-Based Solver for Select Soft Matter Problems Jeff Z.Y. Chen <i>University of Waterloo, Canada</i>
IL-2-13	Emergence of Odd Elasticity in a Microswimmer using Deep Reinforcement Learning Shigeyuki Komura <i>Wenzhou Institute, University of Chinese Academy of Sciences, China</i>
IL-2-14	Crystalline polymer models and their interdisciplinary impacts Wenbing Hu <i>Nanjing University, China</i>

No.	Title/Presenter
IL-3-1	Nature Inspired Soft Materials: From Supramolecular Assembly to Hydrogel Mechanochemistry Kristopher A. Kilian <i>The University of New South Wales (UNSW Sydney), Australia</i>
IL-3-2	Overcoming Hepatic Clearance in Drug Delivery: A Gut–Liver Axis Governs Therapeutic Delivery Efficiency Yucai Wang <i>University of Science and Technology of China, China</i>
IL-3-3	Design of Natural and Synthetic Immune Cells for Immunological Applications Ilia Platzman <i>Max Planck Institute for Medical Research, Germany</i>
IL-3-4	Cellular mechanotransduction and force transmission Qiang Wei <i>Sichuan University, China</i>
IL-3-5	Biomaterials Mimic the Blastocyst Geometry Revert Pluripotent Stem Cell to Naivety Nan Ma <i>Free University of Berlin; Helmholtz-Zentrum Hereon, Germany</i>
IL-3-6	Soft Active Electronics for Healthcare Monitoring Xinge Yu <i>City University of Hong Kong, Hong Kong, China</i>

No.	Title/Presenter
IL-3-7	Phototunable Hydrogels for Precision Organoid Engineering Xiao-Hua Qin <i>Eidgenössische Technische Hochschule Zürich, Switzerland</i>
IL-3-8	Water-Triggered Polymerization of α-Lipoic Acid for Surgical Adhesion Phillip B. Messersmith <i>University of California, Berkeley; Lawrence Berkeley National Laboratory, US</i>
IL-3-9	Transparent and Metal-Free PEDOT:PSS Neural Interfaces for Electrophysiological Recording and Stimulation Ki Jun Yu <i>Yonsei University, Republic of Korea</i>
IL-3-10	Enthalpic Cryopreservation of Cells and Tissue Models Dong June AHN <i>Korea University, Republic of Korea</i>
IL-3-11	Materials and Device Approach for Advancing Localised and Lon-acting Therapies for treating Ocular Diseases Thakur Raghu Raj Singh <i>Queen's University Belfast, UK</i>
IL-3-12	Methodology of Citrate-Based Biomaterials Development Jian Yang <i>Westlake University, China</i>

No.	Title/Presenter
IL-4-1	N-Type Conjugated Polymers for High-performance Organic Electronic Devices Fei Huang <i>South China University of Technology, China</i>
IL-4-2	Electrolyte Design and Interfacial Mechanism for Fast-charging Li ion Batteries Xiulin Fan <i>Zhejiang University, China</i>
IL-4-3	Precise Synthesis and Hierarchical Structural Regulation of Oligomeric Opto-electronic Materials Feng He <i>Southern University of Science and Technology, China</i>
IL-4-4	Characterizing Electrolyte Solvation Thermodynamics of Li and Na Batteries Sang Cheol Kim <i>National University of Singapore, Singapore</i>
IL-4-5	Covalent Organic Frameworks for Next-Generation Batteries: Design and Applications Yoonseob Kim <i>The Hong Kong University of Science and Technology, Hong Kong, China</i>
IL-4-6	Large-area Crystalline Conjugated Polymers and Devices Huanli Dong <i>Institute of Chemistry, Chinese Academy of Sciences, China</i>
IL-4-7	Highly Stable Inorganic and Inorganic-like Perovskite for Efficient Photovoltaics Yixin Zhao <i>Shanghai Jiao Tong University, China</i>
IL-4-8	Novel Water-soluble Non-conjugated Luminescent Monomers and Polymers Mingming Guo <i>Jiangsu University of Science and Technology, China</i>

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YS-1	Mechanochemically Gated On-Demand Recycling of All-Carbon-Backbone Polymers Peng Liu <i>Eidgenössische Technische Hochschule Zürich, Switzerland</i>
YS-2	Polymers of Intrinsic Microporosity (PIMs) for Energy Storage and Low-Energy Hydrocarbon Separations Chunchun Ye <i>Nanyang Technological University, Singapore</i>
YS-3	Organic Two-Dimensional Crystals: From Interfacial Synthesis to Emerging Charge and Ion Transport Zhiyong Wang <i>Max Planck Institute of Microstructure Physics, Germany</i>
YS-4	Metal Coordination Biomaterials for Drug Delivery Yunlu Dai <i>University of Macao, China</i>
YS-5	Block Copolymer Molecular Design to Address Practical Limitations to Recycling Polyolefin Blends Shuquan Cui <i>University of Minnesota, US</i>
YS-6	From Photovoltaics to Hydrometallurgy: Self-Driving Laboratories as a Universal Engine for Accelerated Materials Discovery Leonard Ng Wei Tat <i>Nanyang Technological University, Singapore</i>

No.	Title/Presenter
YS-7	Morphing Liquid-Crystal Polymer Voxels for Autonomous Optical Switching Mingchao Zhang <i>National University of Singapore, Singapore</i>
YS-8	Unlocking Thermoplastic Processing of Biopolymers for Bioactive and Living Materials Chunmei Li <i>Tufts University, US</i>
YS-9	Non-alternant Hydrocarbon Chemistry and Materials Junzhi Liu <i>The University of Hong Kong, Hong Kong, China</i>
YS-10	Publishing in Wiley Physical Science Journals Weiwei Kong <i>Wiley</i>
OL-1-1	Synthesis and Applications of High-Performance Polyurethane Elastomers He Zhu <i>The Chinese University of Hong Kong, Shenzhen, China</i>
OL-1-2	High Performance Liquid Crystalline Polyarylate and Its Composites Qingbao Guan <i>Donghua University, China</i>

No.	Title/Presenter
OL-1-3	Functional Polymers Based on Sulfone Bonding Meng Huo <i>Northeastern University, China</i>
OL-1-4	Design and Biomedical Applications of Native Protein Hydrogels Guanghua Zhao <i>China Agricultural University, China</i>
OL-1-5	Biomacromolecule-Directed Precision Engineering of Gold Nanozymes for Biomedical Applications Quan Luo <i>Jilin University, China</i>
OL-2-1	From Nanoscale Interface to Macroscopic Conductivity: A Physics-Guided Graph Framework for Conductive Polymer Composites Ying Zhao <i>Dalian Minzu University, China</i>
OL-2-2	Abnormal Free-energy Relationship between Normal and Reverse Mesosstructures in Block Copolymers De-Wen Sun <i>Changchun Institute of Applied Chemistry Chinese Academy of Sciences, China</i>
OL-2-3	Tailoring Multiscale Structures and Engineering of Ferroelectric Polymers Xiaoli Sun <i>Beijing University of Chemical Technology, China</i>
OL-2-4	Functional Multiblock Polymers: Bridging Molecular Architecture, Emergent Properties, and Circularity Yucheng Zhao <i>South China University of Technology, China</i>

No.	Title/Presenter
OL-3-1	Engineering Conformational Transition in Silk Fibroin Hydrogels to Create Advanced Dynamic Microenvironment and Functional Material for Biomedical Applications Xiang Yao <i>Donghua University, China</i>
OL-3-2	Nanoscale Distribution of Bioactive Ligands on Biomaterials Regulates Cell Mechanosensing Through Translocation of Actin into Nucleus Xiaojing Liu <i>Sichuan University, China</i>
OL-3-3	Chemical Reaction Networks for Nonequilibrium “Active” Materials Yijun Zheng <i>ShanghaiTech University, China</i>
OL-3-4	DLP Bioprinted Ultra-Biomimetic Trachea with Spatiotemporal Angiogenesis Regulation for Segmental Airway Reconstruction Jingming Gao <i>Shanghai Ninth People's Hospital, Shanghai Jiao Tong University School of Medicine, China</i>
OL-3-5	Thermal Responsive Materials for Drug Delivery Ruixiang Li <i>Shanghai University of Traditional Chinese Medicine, China</i>
OL-3-6	Targeting Drug Delivery Materials for Tumor Therapy Peng Mi <i>Sichuan University, China</i>
OL-4-1	Material Design for Energy-dense All-solid-state Lithium-sulfur Batteries Daiwei Wang <i>Tsinghua University, China</i>

No.	Title/Presenter
OL-4-2	Crystals and Crystal Structures of Conjugated Polymers Zefan Yao <i>Peking University, China</i>
OL-4-3	Functional Polymer Electrolytes Enable High-safety and High-energy-density Lithium Batteries Huanrui Zhang <i>Qingdao Institute of Bioenergy and Bioprocess Technology, Chinese Academy of Sciences, China</i>
OL-4-4	Conjugated Sulfonamide for Next Generation Energy Storage Jiande Wang <i>Hunan University, China</i>
OL-4-5	Dynamics Studies-guided Innovation of Ionic Conductors Panchao Yin <i>South China University of Technology, China</i>

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P-PI-1	Biomedical Materials Group Jiandong Ding (<i>Fudan University</i>)
P-PI-2	PolyREAD: A Locally Deployable, Knowledge-Augmented LLM Platform for Polymer Science Jianfeng Li-Yuliang Yang (<i>Fudan University</i>)
P-PI-3	When Chemistry Meets Biology-Precise Assembly of Biomacromolecules Guosong Chen-Long Li-Ming Jiang (<i>Fudan University</i>)
P-PI-4	Metal-Backboned Polymers Kaiwen Zeng-Huisheng Peng (<i>Fudan University</i>)
P-PI-5	Artificial Intelligence Empowers the Automatic Construction of Block Copolymer Phase Diagrams Qingshu Dong-Weihua Li (<i>Fudan University</i>)
P-PI-6	Molecular Design of Triblock Polymers: From Self-Assembly to Interfaces Shuquan Cui (<i>Fudan University</i>)
P-PI-7	Polymer Cubosomes: Self-Assembly, Advanced Manufacturing, and Functional Applications Yonghui Deng (<i>Fudan University</i>)
P-PI-8	Electrical Bioadhesive Interface for Tissue-Electronics Integration Jue Deng (<i>Fudan University</i>)
P-PI-9	Study of Structural Defects within Soft Matter Assembled Ordered Structures Xueyan Feng (<i>Fudan University</i>)

No.	Title/Presenter
P-PI-10	Electroactive Organic Molecule Design and Battery Reaction Modulation Yue Gao (<i>Fudan University</i>)
P-PI-11	Chiral Covalent Organic Frameworks: Moving Beyond Conventional Applications Jia Guo (<i>Fudan University</i>)
P-PI-12	Engineering Material Interfaces for Chemical-Energy-Environment Nexus Xun Guan (<i>Fudan University</i>)
P-PI-13	Polyelectrolyte Janus Evaporators for Enhanced Solar Desalination Xia Yun Huang (<i>Fudan University</i>)
P-PI-14	Wearable Closed-Loop Multimodal Regulation Systems Ya Huang (<i>Fudan University</i>)
P-PI-15	Deterministic Chirality Selection from Achiral Matter Myongsoo Lee (<i>Fudan University</i>)
P-PI-16	Soft Sensors Lab Zhuo Li (<i>Fudan University</i>)
P-PI-17	Scalable Production of Fibre Batteries by a Solution Extrusion Method Meng Liao (<i>Fudan University</i>)
P-PI-18	Computationally Guided Rational Design of Biomacromolecules Shengjie Ling (<i>Fudan University</i>)

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P-PI-19	Computational Polymer Physics for Predictive Molecular Engineering Yixin Liu (<i>Fudan University</i>)
P-PI-20	Controlling the Microstructures in Conjugated Polymer Thin Films Juan Peng (<i>Fudan University</i>)
P-PI-21	Mechanophore Design: From Force-induced Molecular Transformations to Functional Materials Hai Qian (<i>Fudan University</i>)
P-PI-22	From Polymer Engineering to Interactive Textiles: Boosting ACEL Fiber Brightness and Enabling Writable Displays Jiajun Qin (<i>Fudan University</i>)
P-PI-23	Polymer-Encoded Chirality in Nanoparticle Architectures Yutao Sang (<i>Fudan University</i>)
P-PI-24	Energy Polymers by Design: Rigid Polyanion Electrolytes Enabled by MD, AI, and Automation Ying Wang (<i>Fudan University</i>)
P-PI-25	Monomer-biased Rapid Disorder-to-order Transitions in Industrial-scale Colloidal Photonic Films Changchun Wang (<i>Fudan University</i>)
P-PI-26	Effect of Chain Length Asymmetry on the Phase Behavior of AB Block Copolymer Binary Blends Guowei Wang (<i>Fudan University</i>)
P-PI-27	Capturing the Intermediate State of Polymer Melt Crystallization using Cryo-EM Yifei Xu (<i>Fudan University</i>)

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P-PI-28	Dynamic Gas-Bridge (DGB) for Gas-Responsive Polymer Materials Qiang Yan (<i>Fudan University</i>)
P-PI-29	Smart Biomimetic Polymers & Flexible Devices Junqi Yi (<i>Fudan University</i>)
P-PI-30	Hetero-dimensional Mechanically Interlocked Networks Yuwen Zeng (<i>Fudan University</i>)
P-PI-31	Human Pre-Existing Anti-PEG Antibodies: Prevalence, Biological Effects, and Evasion by Hydroxyl-Terminated PEG Changyou Zhan (<i>Fudan University</i>)
P-PI-32	Influence of Internal Donors on 1-Hexene Polymerization: Active Center Distribution and Catalytic Performance Letian Zhang (<i>Fudan University</i>)
P-PI-33	Engineering Scalable Carbon Nanotube Fibers as Next-Generation Biointerfaces Songlin Zhang (<i>Fudan University</i>)
P-PI-34	Entropy-Assisted Surface Coating for Suppressing Strain Propagation in Ni-Rich Layered Cathodes Chen Zhao (<i>Fudan University</i>)
P-PI-35	Programmable Nanostructural Orientation on Amorphous Phase-Separating Systems Liangliang Zhu (<i>Fudan University</i>)

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P-1-1	One-Step Precise Synthesis of Sequence-Defined ABCB-Type Se-Containing Polymers Tong Shao (<i>Zhejiang University</i>)
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P-1-3	Synthesis of N,N-Bidentate Non-Metallocene Early Transition Metal Catalysts and Their Catalytic Performance in Olefin Polymerization Zongchi Guan (<i>China University of Petroleum (East China)</i>)
P-1-4	MXene-enhanced Self-healing Dextran Nanocomposite Hydrogels with Multiple-dynamic-bond Crosslinking for Motion Sensing Zehua Hou (<i>China University of Petroleum (East China)</i>)
P-1-5	Magnetic P4VP Microspheres: Preparation, Characterization, and Adsorption of Methyl Orange and Acid Orange Yubin Zhou (<i>Anqing Normal University</i>)
P-1-6	Balancing Thermal Resistance and Solid-State Polymerization Efficiency: The Role of Rigid Monomers in Bio-Based Polyamides Yang Zhou (<i>Beijing University of Chemical Technology</i>)
P-1-7	Dual-Responsive Polyurethane Elastomers with Low Activation Thresholds via Thioctic Acid-Mediated Mechanochemical Cascades Xiaoyang Shao (<i>Northwestern Polytechnical University</i>)
P-1-8	Highly Thermally Conductive Epoxy-based Phase-Change Composite Materials for Efficient Chip Thermal Management Bingying Huang (<i>Northwestern Polytechnical University</i>)

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P-1-9	Topology-Enabled Star Polyelectrolyte Coacervates for Adaptive and Robust Enzyme Immobilization Jie Zhu (<i>Fudan University</i>)
P-1-10	The Synthesis of Olefin Block Copolymer (OBC) Elastomers Using a Single Metallocene Catalyst without Chain Shuttling Agents Sihuang Huang (<i>Beijing University of Chemical Technology</i>)
P-1-11	Multiscale Molecular Engineering of a Thermogelling Polymer Integrating Quantum Mechanics, Polymer Chemistry and Artificial Intelligence Tao Sun (<i>Fudan University</i>)
P-1-12	Tuning the Molecular Sequence in Ferroelectric Phase Transitions Liang Gao (<i>University of Chinese Academy of Sciences</i>)
P-1-13	Design of Photopatternable High-dielectric Elastomers for Stretchable Electronics Qiuyue Hu (<i>Ningbo Institute of Materials Technology & Engineering</i>)
P-1-14	Design and Synthesis of Novel Bridged Bis(indenyl) Metal Complexes for the Preparation of Propylene-Based Elastomers Chaojie Gai (<i>Beijing University of Chemical Technology</i>)
P-1-15	A Newly Synthesized Electron Donor for Efficient Homo- and Ethylene Copolymerization of 4-Methyl-1-pentene over Ziegler-Natta Catalysts Jingjiao Liu (<i>Beijing University of Chemical Technology</i>)
P-1-16	Spatial-Confined Octanuclear Aluminum Porphyrin Catalysts for High-Efficiency Synthesis of CO₂-Based Polyols under Harsh Industrial Conditions Liehang Yang (<i>Changchun Institute of Applied Chemistry</i>)

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P-1-17	Bio-Based Small-Molecule Synergistic Regulation of Chain Mobility and Photochemical Behavior in Polylactic Acid Yufa Sun (<i>Soochow University</i>)
P-1-18	Time-evolving Photoreconfigurable Self-assembly for Integrated Fluorochromic Cellulosic Emitter Fengfan Zhu (<i>Nanjing Forestry University</i>)
P-1-19	Time-evolving Reversible Circularly Polarized Luminescence Enabled by Light-fueled Dissipative Self-assembly of Covalent Organic Frameworks Xuman Chen (<i>Southeast University</i>)
P-1-20	Upcycling Waste Monoacid into Functionalized Silica for Starch-coated Paper with Enhanced Water Resistance, Barrier Properties, and Strength via a Green Process Yuting Ma (<i>Nanjing Forestry University</i>)
P-1-21	Effect of Crosslinking Bonds Type on Mechanical and Tribological Properties of Nitrile Butadiene Rubber: Experiments and Molecular Dynamics Simulations Study Hongtai Li (<i>Nanjing Tech University</i>)
P-1-22	Molecularly Engineered Membranes for Ultrafast Solar Desalination Dong Wu (<i>Fudan University</i>)
P-1-23	Deswelling-Induced Dynamic Heterogeneity in Concentrated Polymer Single-Chain Nanoparticles Solution Shaoen Qiu (<i>Fudan University</i>)
P-1-24	Tunable and Predictable Molecular Weight Distributions for Modulating Polymer Properties in Ring-Opening Metathesis Polymerization Chao Wang (<i>Shanghai Jiao Tong University</i>)

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P-2-1	Process-Directed Self-Assembly of the Frank-Kasper A15 Structure in Linear, Conformationally Symmetric Block Copolymers Xiaojie Geng (<i>Changchun Institute of Applied Chemistry</i>)
P-2-2	Bioinspired Soft Molds Enabling High-fidelity Microstructure Replication via Stress Haoran Chen (<i>University of Shanghai for Science and Technology</i>)
P-3-1	Aqueous-responsive Self-contractive and Self-compressive Silk Screws Keyin Liu (<i>Shanghai University</i>)
P-3-2	An In Vitro Biomaterial Microfluidic Model to Simulate Neurodegeneration in Parkinson's Disease Yue Yu (<i>Fudan University</i>)
P-3-3	Molecular Structure Regulation and Biomimetic Mineralization of Self-Assembled Polypeptide Fibers Zhimin Zhang (<i>Donghua University</i>)
P-3-4	Heteropolymer Ferritin Nanocages as Delivery Vehicles for Oral Delivery of GLP-1 Peptides Yiran Qian (<i>China Agricultural University</i>)
P-3-5	Phase-Confined Ring-Opening Polymerization Enables Adaptive Wet Adhesion with Dynamic Mechanical Reinforcement Tongye Zhang (<i>Changchun Institute of Applied Chemistry</i>)
P-3-6	A Self-Renewing Textile Fluidic Rectifier for Continuous, High-Fidelity Wearable Biochemical Sensing in Sweat Sihui Yu (<i>Fudan University</i>)

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P-3-7	Suppressing Cell Migration through Discoidal Bottlebrush Copolymer Nanocarriers Ping Zeng (<i>The University of Sydney</i>)
P-3-8	Antibody-Hydrogel Microsphere Conjugates for the Treatment of Osteoarthritis Hengyi Lu (<i>Shanghai Advanced Research Institute</i>)
P-4-1	Self-Crosslinked Elastic-Ion-Coordinating Binder Networks for Synergistic Interfacial Stabilization of Si/C Anodes in Sulfide All-Solid-State Batteries Wenwen Luo (<i>Fudan University</i>)
P-4-2	Enhancing Energy Storage Performance of All-organic Dielectrics by Constructing Semi-Interpenetrating Polymer Network Structure via In Situ Polymerization Junhang Tang (<i>Nanjing Tech University</i>)
P-4-3	Scalable Roof-integrated Reflective Polymer Films for Simultaneous Bifacial Photovoltaics and Passive Cooling via Solar Spectra Management Kesong Wang (<i>Nanjing Tech University</i>)
P-4-4	Enhancing Dielectric Properties of Ceramic-polymer Composites by Rationally Constructing of a 3D-BaTiO₃ Network Linyu Tao (<i>Nanjing Tech University</i>)
P-4-5	Phase Change Polyurethane with High Adhesion Ability, High Phase Change and Outstanding Self-Healing Performance for Self-Adaptive Interface Management Penghui Zhang (<i>Northwestern Polytechnical University</i>)
P-4-6	High-Performance Quasi-Solid-State Calcium-Ion Batteries from Redox-Active Covalent Organic Framework Electrolytes Zhuoyu Yin (<i>The Hong Kong University of Science and Technology</i>)

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P-4-8	Waste Hemoglobin-Derived Amyloid Fibrils Mimicking Spirogyra Chloroplasts for Photocatalytic Co₂ Reduction Mingyang Sun (<i>China Agricultural University</i>)
P-4-9	Hydroxyl and Fluorine Modulation on Cage Covalent Organic Frameworks as Solid Electrolyte for Lithium Metal Batteries Muhua Gu (<i>The Hong Kong University of Science and Technology</i>)
P-4-10	Solid Polymer Electrolytes with Controlled Polymerization for High-Performance Lithium Batteries Hang Luo (<i>The Hong Kong University of Science and Technology</i>)
P-4-11	Regulating Lithium Nucleation Kinetics Using Metalated Nitrogen-Rich Covalent Organic Framework Artificial Interphases Yurong Wu (<i>The Hong Kong University of Science and Technology</i>)

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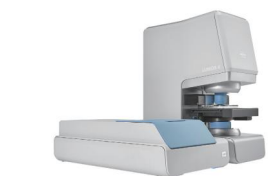
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杭州捷诺飞生物科技股份有限公司成立于2013年，致力于以生物智造与信息技术推动人类健康领域的突破创新，是行业领先的国家高新技术企业，入选国家级专精特新“小巨人”。捷诺飞构筑了产学研医深度融合的创新平台，在生物3D打印、生物构造成像、智能实验室、人工器官、高端生物材料与医疗器械等前沿领域不断革新技术产品与解决方案，推动科研、医疗、制药和日化等领域的研究与产业化创新应用。

国家高新技术企业

专精特新小巨人企业

浙江省科技进步一等奖

全国创新争先奖

浙江省医学信息与生物三维打印重点实验室

国家重点研发计划牵头单位

国家重大科研仪器研制项目牵头单位

Bio-Architect® WS

专为多学科交叉研究平台设计的生物3D打印工作站

Bio-Architect® X

专为多学科交叉研究、生产与技术服务设计开发的高保真生物3D打印平台

Bio-Architect® SR PRO

高性能桌面级生物3D打印机

Bio-Architect® Tomography Lark

跨尺度类器官/组织无损3D成像与分析的层析成像系统

Bio-Architect® PR PRO

高精度、大尺度、多材料光固化生物3D打印机

Bio-Architect® Sailfish

专为高粘度凝胶点样及类器官接种应用设计的类器官工作站

Bio-Architect® Incubator Coral

细胞、类器官与组织的多功能自动化培养平台

津能 **科研仪器耗材一站式服务商**

上海津能实业有限公司创立于2013年，下设津能科技(南京)有限公司，专业经营各种分析仪器、通用仪器、工艺设备及实验耗材、无机粉体的销售；津能公司产品和服务遍及新能源、新材料、环境、化工、医药、食品等行业。从提供全球一流品质的实验室仪器设备，到为客户量身定制系统的实验室整体解决方案，到应用层面的产品共同开发推广，津能实业通过专业、细致和全面的技术支持实现“为科研行业提供全方位服务”的承诺。

津能实业将始终本着为科研人员提供卓越服务的宗旨，以提供优质产品和服务为己任，携手客户，共同创新。

部分仪器展示



自动进样器



梅特勒分析天平



纯水/超纯水系统



制冷加热循环装置



鼓风干燥箱



组织研磨仪



多功能电动8通道移液器



pH计



电子万能试验机

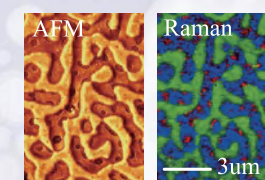


高分子材料分子光谱成像解决方案

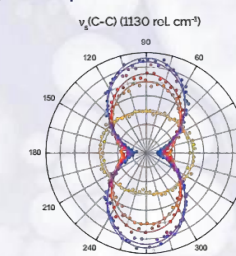
Polymer Material Molecular Spectroscopic Imaging Solution

多模态超快多场拉曼成像解决方案

- 高分辨大范围拉曼 / 荧光成像
- High-resolution large-area Raman / fluorescence imaging
- 多环境拉曼：高低温、电化学
- Multi-environment Raman: high-low temperature, electrochemistry
- 结晶度、动力学、分子构型 / 构象
- Crystallinity, kinetics, molecular configuration / conformation
- 颗粒分析：微塑料等颗粒鉴定和分类
- Particle analysis: identification and classification of microplastics
- 拉曼-AFM-SEM 联用：超微结构与分子化合物信息关联
- Raman-AFM-SEM combination: correlation of ultrastructure and molecular-compound
- 高分辨形貌、粘弹性等物理信息
- Physical information including high-resolution morphology and viscoelasticity



Polar plots of PE foil within stretching



mIRage亚微米光热红外成像系统

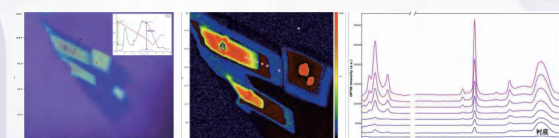
Optical Photothermal InfraRed, O-PTIR



- 非接触、无标记、抗荧光干扰
- Non-contact, label-free, anti-fluorescence-interference
- 红外-拉曼分子指纹光谱
- Infrared-Raman Molecular Fingerprint Spectroscopy
- 亚微米红外成像分辨率：500 nm
- Sub-micron IR imaging resolution: 500 nm
- 粗糙样品可直接测量，基本无需制样
- Direct measurement for rough samples, almost no sample preparation required
- 微区红外-拉曼-荧光共定位同步测量
- Simultaneous micro-area IR-Raman-fluorescence co-localized measurement

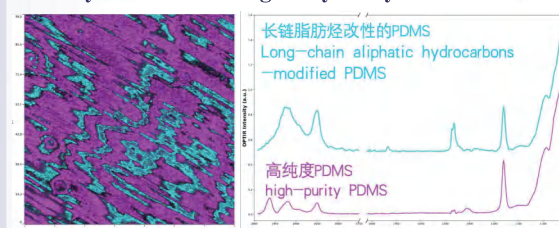
不同层超薄有机太阳能电池薄膜

Multi-layer ultra-thin organic solar thin-film devices



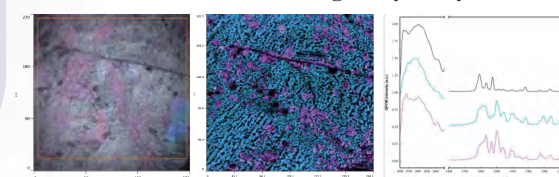
高分子薄膜异质性分析

Polymer film heterogeneity analysis



钙钛矿薄膜异质性分析

Perovskite thin-film heterogeneity analysis



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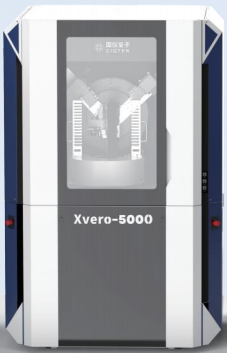
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国仪量子物性分析解决方案

X射线衍射系列产品

气体吸附系列产品





高速原位二维XRD 多晶XRD

超高压吸附仪 微孔分析仪 比表面及孔径分析仪

基于在材料领域持续深入的应用拓展与技术积累，国仪量子已布局比表面积及孔径分析、微孔分析、高温高压吸附和真密度分析等物性表征产品。相关产品已实现全球交付，并凭借领先的产品性能、自动化水平和应用服务能力，处于行业领先地位。

在此基础上，国仪进一步推出多晶X射线衍射仪和高速原位二维X射线衍射仪，进一步拓展X射线衍射这一新的产品领域，逐步形成涵盖晶体结构、动态演化、孔隙特征、吸附性能及密度参数的多维物性分析产品体系。

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- 构型分析
- 材料质谱成像
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- 化学安全性



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- 高聚物的构象及支化度分析
- 高聚物粘度分析



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