



**HKU
Med**

School of Clinical Medicine
Department of Orthopaedics
& Traumatology
香港大學矯形及創傷外科學系



CHINESE
ASSOCIATION FOR
BIOMATERIALS



中国复合材料学会
CHINESE SOCIETY FOR COMPOSITE MATERIALS

THE SECOND BJ-HK SYMPOSIUM ON BIOCOMPOSITE MATERIALS AND CHINESE ASSOCIATION FOR BIOMATERIALS ANNUAL MEETING 2026

8-10th January 2026 (Thu-Sat)



CPD-LG, Central Podium Levels - Lower Ground,
Centennial Campus, The University of Hong Kong

Program book



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WELCOME MESSAGE

COURSE CO-CHAIRPERSONS



Prof. Kelvin Wai Kwok YEUNG

Department of Orthopaedics & Traumatology
School of Clinical Medicine, LKS Faculty of
Medicine, The University of Hong Kong



Prof. Yufeng ZHENG

School of Materials Science and Engineering
Peking University

Welcome to the Second Beijing–Hong Kong Symposium on Biocomposite Materials and Chinese Association for Biomaterials Annual Meeting 2026. It is a great pleasure to greet you all at this important gathering, which brings together researchers, engineers, clinicians, and industry partners from Beijing, Hong Kong, and beyond.

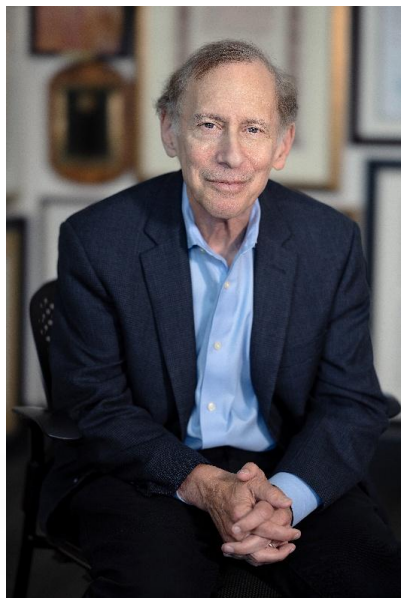
Biocomposites play a critical role in advancing healthcare, tissue engineering, drug delivery, and sustainable materials. This conference builds on the success of our first symposium at Peking University in December of 2024, further strengthening academic exchange and collaboration between our two vibrant regions. From January 8-10, 2026, you will have the opportunity to hear cutting-edge research presentations, engage in insightful discussions, and explore new ideas that may shape the future of biocomposite science and technology.

We are also delighted to host the CAB Annual Meeting during this time, providing a valuable platform for industry and academic networking. We would also like to extend our heartfelt congratulations to Robert Langer, who has been honored with the Bioactive Materials Lifetime Achievement Award—an exceptional recognition of his groundbreaking contributions to biomedical engineering.

Let us make the most of this conference: share your discoveries, ask bold questions, and establish lasting connections. We hope you enjoy the scientific program, the cultural exchange, and your time in this dynamic city, Hong Kong.

Welcome again, and we wish you a productive and inspiring meeting.

PLENARY SPEAKER



Prof. Robert Langer

David H. Koch (1962) Institute Professor
Member, Marble Center for Cancer Nanomedicine

Dr. Bob Langer is one of nine Institute Professors at the Massachusetts Institute of Technology (MIT), MIT's highest faculty honor. His pioneering work, which has benefited millions worldwide, includes isolating the first angiogenesis inhibitors (with Dr. Judah Folkman) leading to new treatments for cancer and blindness. He also created the first nanoparticles and microparticles for delivering large molecules, including nucleic acids and helped establish the field of tissue engineering which enabled artificial skin for burn victims and organ-on-a-chip technology. Despite initial skepticism—his first nine grants were rejected, and no engineering department would hire him—Langer has authored more than 1,600 papers, cited more than 463,000 times. With an h-index of 333, Langer is the most cited engineer in history. His patents have been licensed or sublicensed to over 400 companies and he has co-founded more than 40 ventures, including Moderna.

Langer chaired the FDA's Science Board from 1999–2002 and has received over 220 awards, including the U.S. National Medal of Science and the National Medal of Technology and Innovation (one of only three living individuals to receive both). His accolades include the Draper Prize (considered engineering's Nobel Prize), Queen Elizabeth II Prize for Engineering, Albany Medical Center Prize, Breakthrough Prize in Life Sciences, Kyoto Prize, Wolf Prize, Millennium Technology Prize, the Kavli Prize in Nanoscience and the Double Helix Medal from Cold Spring Harbor Laboratory. He holds 45 honorary doctorates from institutions such as Harvard, Yale, Columbia, and the University of Oxford and has been elected to the National Academies of Medicine, Engineering and Sciences, as well as the National Academy of Inventors.

KEYNOTE SPEAKER



Prof. Guillermo Antonio AMEER

Daniel Hale Williams Professor of Biomedical Engineering McCormick School of Engineering
Professor of Surgery
Feinberg School of Medicine
Northwestern University

Dr. Ameer is the Daniel Hale Williams professor of Biomedical Engineering and Surgery at Northwestern University. He is the founding director of the Center for Advanced Regenerative Engineering, director of the NIH-funded Regenerative Engineering Training Program, Deputy Editor at Science Advances, a journal published by the American Association for the Advancement of Science, and founding director of the Querrey Simpson Institute for Regenerative Engineering at Northwestern University (RENU). He is a member of the National Academy of Medicine, the National Academy of Inventors, and the American Academy of Arts and Sciences. Dr. Ameer's laboratory pioneered the development and tissue regeneration applications of citrate-based biomaterials, the core technology behind innovative bioresorbable orthopaedic tissue fixation devices CITRELOCK,TM CITREFIX,TM CITRESPLINE,TM CITRELOCK ACL,TM and CITRELOCK DUO,TM and the CITREGRAFT,TM synthetic bone graft, recently cleared by the F.D.A for clinical use.

He has published 350 publications and abstracts in peer-reviewed journals including Nature, Nature Biotechnology, Nature Nanotechnology, Nature Biomedical Engineering, Nature Communications, Proceedings of the National Academy of Sciences, and Science Advances and has over 75 patents issued and pending. His awards include the Key to the City of Panama, the Society for Biomaterials (SFB) Clemson Award for Contributions to the Literature, the SFB Technology Innovation and Development Award, the Tissue Engineering and Regenerative Medicine International Society-Americas Innovation and Commercialization Award, the Surfaces in Biomaterials Foundation Excellence in Biomaterials Science Award, the Bioactive Materials Lifetime Achievement Award, and the Biomedical Engineering Society Athanasiou Medal for Excellence in Translational Bioengineering, and the Percy Julian Medal from the National Society of Professional Black Chemists and Chemical Engineers. He is a Fellow of several societies including the American Institute of Medical and Biological Engineering, the Biomedical Engineering Society, the American Institute of Chemical Engineers, the Materials Research Society, and International College of Fellows of Biomaterials Science and Engineering.

KEYNOTE SPEAKER



Prof. Malcolm XING
Professor, PEng
Mechanical Engineering
University of Manitoba

Dr. Malcolm Xing is a Professor at the University of Manitoba, a Fellow of the Canadian Academy of Engineering, and a Fellow of the American Institute for Medical and Biological Engineering.

As the director of a CFI-supported biomaterials lab, he specializes in creating next-generation hydrogels and nanomaterials for tissue engineering, bioadhesives, and flexible biosensors. His research focuses on developing innovative biomaterials for pressing medical challenges, including tissue engineering, bioadhesion, and hemostasis. Dr. Xing's work on superelastic and intelligent hydrogels has gained significant recognition for its potential to treat conditions such as myocardial infarction, severe burns, and cartilage defects. This groundbreaking research has been highlighted in prestigious publications like Nature Reviews Cardiology, the American Chemical Society's headline news, and the Royal Society of Chemistry. Dr. Xing is also credited with pioneering novel adhesive and hemostatic systems.

He developed a unique bioglue that combines powerful adhesive properties with hemostatic functions, a breakthrough featured in Science's "This Week in Science" and Nature Reviews Materials. Further innovation in this area includes his work on okra-derived microgels for hemostasis, which was selected by Agence France-Presse as one of the top NatureInspired Solutions of 2022. A scholar with over 200 papers, Dr. Xing's contributions have been published in world-leading journals, including Nature Nanotechnology, Nature Biomedical Engineering, Nature Communications, Science Advances, and Advanced Materials. Beyond biomedicine, his commitment to sustainability has led to the development of materials aimed at achieving carbon neutrality, earning recognition from Time magazine, Fortune, and Science.

KEYNOTE SPEAKER



Prof. Zhen GU
Dean
College of Pharmaceutical Sciences
Zhejiang University

Dr. Zhen Gu is Qiushi Distinguished Chair Professor and Associate Vice President at Zhejiang University. He also serves as the Director of the State Key Laboratory of Advanced Drug Delivery and Release Systems, and Deputy Director of Pharmaceutics Professional Committee of Chinese Pharmaceutical Association. Dr. Gu was elected to the College of Fellows of the Controlled Release Society (CRS, 2025), International Academy of Medical and Biological Engineering (IAMBE, 2021) and American Institute for Medical and Biological Engineering (AIMBE, 2019). Dr. Gu's group studies controlled drug delivery, biomaterials and cell therapy. He has published over 300 research papers and applied over 200 patents (issued: 75) that have been licensed to over 10 companies. He is the recipient of the National Natural Science Award (second place) in China (2024), Felix Franks Medal of the Royal Society of Chemistry (2020), Sloan Research Fellowship (2016) and Pathway Award of the American Diabetes Association (2015). MIT Technology Review listed him in 2015 as one of the top innovators under the age of 35.

KEYNOTE SPEAKER



Prof. Jian YANG

Chair professor of Westlake University
Associate Vice President
Chair of Materials Science and Engineering
Co-Editor-in-Chief of Bioactive Materials
Associate Editor of Science Advances
Fellow of AAAS, AIMBE, BMES, IAMBE, NAI

Dr. Jian Yang is currently a Chair Professor of Biomaterials and Regenerative Engineering, Department Chair of Materials Science and Engineering, and an Associate Vice President at the Westlake University. Prior to Westlake, he was a Professor of Biomedical Engineering and Dorothy Foehr Huck and J. Lloyd Huck Chair in Regenerative Engineering at the Pennsylvania State University. Dr. Yang is known for his pioneering contribution on citrate chemistry and biology for the development and applications of citrate-based biomaterials. He was a recipient of NSF CAREER Award (2010), Outstanding Young Engineering Faculty Award at UTA (2011), PSEAS Outstanding Research Award at Penn State (2018), and BMES Wallace H. Coulter Award for Healthcare Innovation Award (2023). Dr. Yang is an elected Fellow of American Institute of Medical and Biological Engineering (AIMBE, 2016), the National Academy of Inventors (NAI, 2018), the Biomedical Engineering Society (BMES, 2020), the American Association for the Advancement of Science (AAAS, 2021), and the International Academy of Medical and Biological Engineering (IAMBE, 2023). Dr. Yang is the Co-Editor-in-Chief of “Bioactive Materials”, and an Associate Editor of “Science Advances”. Dr. Yang is a co-founder and the Past-President of Chinese Association for Biomaterials (CAB) and the recipient of 2023 CAB Distinguished Leadership and Service Award. Dr. Yang co-founded a medical device company, Aleo BME, Inc. and is also serving on the Scientific Advisory Board of Acuitive Technologies, LLC.



INVITED SPEAKERS AND MODERATORS

Prof. Jingdi CHEN
Marine College
Shandong University

Prof. Elmer Dai-Fei KER
Biomedical Engineering
The Hong Kong Polytechnic University

Prof. Ming LI
Xuanhu Hospital Capital Medical
University

Prof. Xiangfeng LI
Sichuan University

Prof. Hongxiang LI
University of Science and Technology
Beijing

Prof. Ping LI
School and Hospital of Stomatology
Guangzhou Medical University

Prof. Gang LI
Center for Locomotor System Regenerative
Medicine and Technology, Institute of
Biomedicine and Biotechnology
Shenzhen Institutes of Advanced
Technology, Chinese Academy of
Sciences

Prof. Chengyun NING
Department of Biomaterials, School of
Materials Science and Engineering
South China University of Technology

Prof. Haobo PAN
Shenzhen Institute of Advanced
Technology, Chinese Academy of
Sciences

Prof. Yan PANG
School of Pharmaceutical Sciences
Shanghai Jiao Tong University

Prof. Will Wei QIAO
Clinical Assistant Professor
Applied Oral Sciences and Community
Dental Care
Assistant Dean (Research)
Faculty of Dentistry, the University of
Hong Kong
The University of Hong Kong

Prof. Yong SUN
Sichuan University

Prof. Zhengquan WANG
Northwest Institute for Non-ferrous Metal
Research



INVITED SPEAKERS AND MODERATORS

Prof. Michelle Dan WANG
School of Biomedical Sciences/ Faculty
of Medicine
The Chinese University of Hong Kong

Prof. Dongan WANG
Biomedical Engineering / Engineering
The Chinese University of Hong Kong

Prof. Shuilin WU
Peking University

Prof. Dandan XIA
Peking University School and Hospital of
Stomatology

Prof. Zhuo XIONG
Department of Mechanical Engineering
Tsinghua University

Prof. Lizhi XU
The University of Hong Kong

Prof. Jerry Jiankun XU
Orthopaedic and Traumatology (ORT),
Faculty of Medicine
The Chinese University of Hong Kong

Prof. Jiajia XUE
Beijing University of Chemical
Technology

Prof. Lesan YAN
State Key Laboratory of Advanced
Technology for Materials Synthesis and
Processing
Wuhan University of Technology

Prof. Hongtao YANG
Beihang University

Prof. Kun YU
Central South University

Prof. Wei ZHANG
Institute of Biomedical and Health
Engineering
Shenzhen Institutes of Advanced
Technology, Chinese Academy of
Sciences

Prof. Tianzhu ZHANG
Southeast University

Prof. Teng ZHANG
Shandong University



INVITED SPEAKERS AND MODERATORS

Prof. Yuanchi ZHANG

中国科学院深圳先进技术研究院
Shenzhen Institutes of Advanced
Technology, Chinese Academy of
Sciences

Prof. Xin ZHAO

Department of Applied Biology and
Chemical Technology
The Hong Kong Polytechnic University

Prof. Yufeng ZHENG

Peking University

Prof. Wenhao ZHOU

Northwest Institute for Non-ferrous Metal
Research

Prof. Danqing ZHU

Department of Chemical and Biological
Engineering (CBE)
The Hong Kong University of Science
and Technology

PROGRAM

8 January 2026 (Thursday) - Day 1: Lectures

Time	Topic	Speaker
13:30-14:00	Registration / Check-in for participants	
14:00-14:05	Opening Speech	Prof. Yufeng ZHENG
14:05-14:10	Group Photo Session	
	Moderator:	Prof. Xin ZHAO and Prof. Gang LI
14:10-14:22	Invited Lecture (10 mins) & Q&A (2 mins) 仿生银纳米颗粒@抗菌肽 / 丝素蛋白涂层的感染响应型抗菌性能及骨整合增强作用	Prof. Wenhao ZHOU Northwest Institute for Non-ferrous Metal Research
14:22-14:34	Invited Lecture (10 mins) & Q&A (2 mins) Polymeric Nanoplatfoms to Mitigate Cisplatin-Induced Ototoxicity	Prof. Lesan YAN Wuhan University of Technology
14:34-14:46	Invited Lecture (10 mins) & Q&A (2 mins) Biomufacturing Technologies in Organ Reconstruction	Prof. Zhuo XIONG Tsinghua University
14:46-14:58	Invited Lecture (10 mins) & Q&A (2 mins) 靶向ATP合成：通过调控细胞代谢与形态实现骨稳态与骨再生平衡	Prof. Xin ZHAO The Hong Kong Polytechnic University
14:58-15:10	Invited Lecture (10 mins) & Q&A (2 mins) 基于镁离子/氢气协同神经保护作用的脑血管支架材料研制与神经安全性研究	Prof. Ming LI Xuanwu Hospital Capital Medical University
15:10-15:22	Invited Lecture (10 mins) & Q&A (2 mins) Calcium phosphate-based materials for inducing bone regeneration	Prof. Xiangfeng LI Sichuan University
15:22-15:34	Invited Lecture (10 mins) & Q&A (2 mins) A materiomics-designed hydrogel niche for enhanced stem cell-mediated tendon regeneration	Prof. Michelle Dan WANG The Chinese University of Hong Kong
15:34-15:46	Invited Lecture (10 mins) & Q&A (2 mins) Management of Larger Bone Defects: Combination of Biomaterials and Distraction Osteogenesis Techniques	Prof. Gang LI SIAT, Chinese Academy of Sciences
15:46-16:15	Afternoon Break (Approx. 30 mins) Presentation: Teltec product introduction on Biomaterials application	Mr. Alex Ngai Senior Product Manager Teltec Pacific Ltd
	Moderator:	Prof. Kelvin YEUNG, Prof. Yufeng ZHENG
16:15-16:40	Keynote Speech 1 (25 mins)	Prof. Jian YANG
16:40-16:50	Q&A (10 mins)	
	Moderator:	Prof. Shuilin WU, Prof. Yizhou ZHU
16:51-17:03	Invited Lecture (10 mins) & Q&A (2 mins) 3D Microfibrillar Networks and Bio-Integrated Devices	Prof. Lizhi XU The University of Hong Kong
17:03-17:15	Invited Lecture (10 mins) & Q&A (2 mins) Advanced biomaterials and regeneration	Prof. Haobo PAN SIAT, Chinese Academy of Sciences
17:15-17:27	Invited Lecture (10mins) & Q&A (2 mins) 多功能复合材料3D打印支架治疗骨缺损的研究	Prof. Wei ZHANG Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences
17:27-17:45	ePoster presentation (2 mins each presenter)	All ePoster presenters
17:45	Adjourn	

PROGRAM

9 January 2026 (Friday) - Day 2: Lectures

Time	Topic	Speaker
09:00-09:15	Registration / Check-in for participants	
	Moderator:	Prof. Jian YANG, Prof. Kelvin YEUNG
09:15-09:45	2026 Bioactive Materials Lifetime Achievement Award Presentation (ZOOM)	Winner: Prof. Robert Langer MIT
09:45-10:20	Plenary lecture (ZOOM) Biomaterials & Biotechnology: From the discovery of the first angiogenesis inhibitors to the development of controlled drug delivery systems and the foundation of tissue engineering	Prof. Robert Langer MIT
10:20-10:25	Q&A (5 mins)	
10:25-10:45	Morning break (20mins)	
	Moderator:	Prof. Jian YANG, Prof. Kelvin YEUNG
10:45-11:10	Keynote Speech 2 (25 mins) Medical-Engineering Collaborative Innovation: Translational Research of Smart Biomaterials in Gastrointestinal Diseases	Prof. Malcolm Xing University of Manitoba
11:10-11:20	Q&A (10 mins)	
	Moderator:	Prof. Jerry XU, Prof. Chengyun NING
11:20-11:32	Invited Lecture (10 mins) & Q&A (2 mins) Decellularized Tissue Engineering Hyaline Cartilage Graft for Articular Cartilage Repair and Its Forward-Looking Study for Space Medicine	Prof. Dongan WANG The Chinese University of Hong Kong
11:32-11:44	Invited Lecture (10 mins) & Q&A (2 mins) 骨骼基质元素的功能性组装设计与生理调节	Prof. Yong SUN Sichuan University
11:44-11:56	Invited Lecture (10 mins) & Q&A (2 mins) 用于腹壁缺损再生的3D打印电纺仿生复合补片	Prof. Tianzhu ZHANG Southeast University
11:56-12:08	Invited Lecture (10 mins) & Q&A (2 mins) 海洋生物资源开发及生物材料高值转化	Prof. Jingdi CHEN Shandong University
12:08-12:20	Invited Lecture (10 mins) & Q&A (2 mins) Mg-containing hybrid implants for long bone fracture: R&D journey for pushing towards clinical translation, beyond fixation	Prof. Jerry Jiankun XU The Chinese University of Hong Kong
	Moderator:	Ms. Jessica WANG
12:20-13:20	Lunch Symposium (1 hr) Bioactive Materials - Editor Session	Prof. Kelvin YEUNG Prof. Yufeng ZHENG Prof. Jian YANG
	Moderator:	Prof. Kelvin YEUNG, Prof. Jian YANG
13:20-13:45	Keynote Speech 3 (25 mins)	Prof. Guillermo Antonio AMEER Northwestern University
13:45-13:55	Q&A (10 mins)	
	Moderator:	Prof. Xiangfeng LI, Prof. Yizhou ZHU
13:56-14:08	Invited Lecture (10 mins) & Q&A (2 mins) Calcium phosphate-based materials for inducing bone regeneration	Prof. Xiangfeng LI Sichuan University
14:08-14:20	Invited Lecture (10 mins) & Q&A (2 mins) 刺激响应活性材料用于组织适配与再生修复	Prof. Yuanchi ZHANG Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences

PROGRAM

9 January 2026 (Friday) - Day 2: Lectures

Time	Topic	Speaker
14:20-14:32	Invited Lecture (10 mins) & Q&A (2 mins) 碳基纳米材料改善植入物性能关键技术	Prof. Zhengquan WANG Northwest Institute of Non-ferrous Metal Research
	Moderator:	Prof. Elmer Dai-Fei KER, Prof. Jiajia XUE
14:32-14:44	Invited Lecture (10 mins) & Q&A (2 mins) 含锌/镁复合材料对口腔骨修复的作用及机制研究	Prof. Dandan XIA Peking University School & Hospital of Stomatology
14:44-14:56	Invited Lecture (10 mins) & Q&A (2 mins) 局部给药纳米杂化水凝胶及眼部给药	Prof. Yan PANG Shanghai Jiao Tong University
14:56-15:08	Invited Lecture (10 mins) & Q&A (2 mins) Stress Reducing Mechanisms and Bioactive Strategies for Hard-to-Soft Tissue Repair and Regeneration	Prof. Elmer Dai-Fei KER The Hong Kong Polytechnic University
15:08-15:20	Invited Lecture (10 mins) & Q&A (2 mins) Gradient hydrogel–nanofiber nerve guidance conduit with multiple inductive cues promotes peripheral nerve repair in primate models	Prof. Jiajia XUE Beijing University of Chemical Technology
15:20-15:27	Afternoon break (7mins)	
	Moderator:	Prof. Will Wei QIAO, Prof. Sien Lin
15:27-15:52	Keynote Speech (4) Bioinspired Bioresponsive Drug Delivery	Prof. Zhen GU Zhejiang University
15:57-16:02	Q&A (10 mins)	
16:02-16:14	Invited Lecture (10 mins) & Q&A (2 mins) Engineering Synthetic Viral Vectors: Sparking the Gene Therapy with AI	Prof. Danqing ZHU Hong Kong University of Science & Technology
16:14-16:26	Invited Lecture (10 mins) & Q&A (2 mins) 医疗缝合用高强度可控降解Mg合金丝材研究的最新进展	Prof. Hongxiang LI University of Science and Technology Beijing
16:26-16:38	Invited Lecture (10 mins) & Q&A (2 mins) Zinc-Based Biodegradable Membranes Modulate Regulatory T Cells to Enhance Bone Regeneration	Prof. Ping LI Guangzhou Medical University
16:38-16:50	Invited Lecture (10 mins) & Q&A (2 mins) 功能化3D打印多孔金属假体修复骨缺损	Prof. Teng ZHANG Shandong University
16:50-17:02	Invited Lecture (10 mins) & Q&A (2 mins) 先进新型可降解金属医用植入材料研发与应用	Prof. Kun YU Central South University
17:02-17:14	Invited Lecture (10 mins) & Q&A (2 mins) 骨修复用可降解锌合金成分设计与性能调控	Prof. Hongtao YANG Beihang University
17:14-17:26	Invited Lecture (10 mins) & Q&A (2 mins) 电活性生物材料—肿瘤性骨缺损治疗新策略	Prof. Chengyun NING South China University of Technology
17:26-17:38	Invited Lecture (10 mins) & Q&A (2 mins) The role of neuroimmune responses in hard and soft tissue regeneration	Prof. Will Wei QIAO The University of Hong Kong
17:38-17:43	e-Poster Award(s) Presentation / Closing Remarks / Photo Session	
17:43	Adjourn	
18:15-20:00	Symposium Dinner at Ming Pavilion (SCR 14/F, KK Leung)	Guests and participants

ACKNOWLEDGEMENT

