Hong Kong Musculoskeletal & Biomaterials Summit for Young Scholars

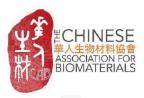
14-15 December 2022 WED-THU

Cheung Kung Hai Conference Centre, G/F, William MW Mong Block, Faculty of Medicine, HKU, 21 Sassoon Road, Pokfulam, Hong Kong

Co-organized by



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



National Key R&D Programs funded by Ministry of Science and Technology

PROGRAM BOOK

FLOOR PLAN







CONTENTS

Welcome Message	4
Organizing Committee	5
Speakers	6
Program	10
Acknowledgements	13

WELCOME MESSAGE

CO-CHAIRMEN



On behalf of the Chinese Association for Biomaterials (CAB), I welcome each of you to join our co-sponsored biomaterials summit! The world of biomaterials is an exciting research area. We are very excited to bring outstanding biomaterials scholars together in forums like this, and to bring inspired people together within our international Chinese biomaterials organization (i.e., CAB).

Prof. Bingyun LI

President, Chinese Association for Biomaterials



Welcome to join us in HK and HKUMed! I definitely feel privileged to co-host the Summit together with Chinese Association for Biomaterials and Professor Yufeng Zheng from Peking University. Though it's a bit challenging to our organising committee in terms of speaker invitation and other logistical arrangements because of COVID-19 pandemic control measures, we are still blessed to receive many positive replies and supports from those renowned scholars worldwide. Lastly, I wish to make a quote from 《論語》:「有朋自遠方來,不亦樂乎」 (in English: "How happy we are to meet friends from afar!" Quoted from "Analects of Confucius") to conclude my message. Looking forward to seeing you all soon!

Prof. Kelvin YEUNG

Professor, Department of Orthopaedics and Traumatology, The University of Hong Kong



On behalf of the editorial board of Bioactive Materials, I would like to welcome all the participants for Hong Kong Musculoskeletal & Biomaterials Summit for Young Scholars, both on site and on-line. I appreciate the local organization committee and staffs who devoted themselves so much to conference planning and arrangements. Please enjoy the scientific feast and feel free to communicate on the new advances in the field of biomaterial science and engineering. Remember to join us to congratulate Prof. Guillermo Antonio Ameer, the 2022 year winner of Bioactive Materials Lifetime Achievement Award in the morning session of Dec. 15.

Prof. Yufeng ZHENG

Professor, School of Materials Science and Engineering, Peking University Co-Editor in Chief of Bioactive Materials Journal



CO-CHAIRMEN

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Prof. Bingyun LI Chinese Association for Biomaterials Prof. Kelvin YEUNG The University of Hong Kong

Prof. Yufeng ZHENG Peking University Co-Editor in Chief of Bioactive Materials Journal

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SPEAKERS



Prof. Guillermo AMEER Professor Biomedical Engineering Department, McCormick School of Engineering Department of Surgery, Feinberg School of Medicine Northwestern University United States



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Prof. Xin ZHANG Professor National Key Laboratory of Biochemical Engineering Institute of Process Engineering, Chinese Academy of Sciences Beijing



Dr. Xin ZHAO Associate Professor Department of Biomedical Engineering Polytechnic University Hong Kong Hong Kong

PROGRAM

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14 DECEMBER 2022 (WED)

Time	Торіс	Speaker
08:20-08:50	Registration (Foyer of Lecture Theatre 1)	
08:50-09:00	Opening remarks	Dr. Jason CHEUNG Dr. Bingyun LI
09:00-09:45	Citrate-based photoluminescent biomaterials design and applications	Prof. Jian YANG
09:45-10:30	Bilayer hydrogel for tissue regeneration and potential clinical applications (National key R&D program - Project titled "Functional reconstruction of human tissues and organs by precision addictive manufacturing technology")	Prof. William LU
10:30-11:00	Morning break (Seminar Rooms 1, 3 & 4)	
11:00-11:30	Biomaterials-enabled development of integrated antitumour immunotherapy	Prof. Guangjun NIE
11:30-12:00	Nucleic acid drugs delivery	Prof. Xin ZHANG
12:00-12:30	Dual-network of bioactive glass in tissues repair	Prof. Haobo PAN
12:30-13:30	Lunch break (Seminar Rooms 1, 3 & 4)	
13:30-14:00	Musculoskeletal immunology: New tools for diagnostics and therapy	Dr. Frank SCHILDBERG
14:00-14:30	Photoresponsive nanoparticles for the treatment of cancer and eye diseases	Dr. Weiping WANG
14:30-14:50	Rediscover macrophages in bone tissue engineering - From immunomodulation to bio-adaption	Dr. Will QIAO
14:50-15:20	Afternoon break (Seminar Rooms 1, 3 & 4)	

Time	Торіс	Speaker
15:20-16:05	Biomaterials for gastrointestinal duct tissue engineering	Prof. Malcolm XING
16:05-16:35	Photocrosslinkable polymer for bone regeneration	Dr. Xin ZHAO
16:35-16:55	Hyperconnective 3D nanofiber networks as soft tissue mimetics	Dr. Lizhi XU
16:55-17:15	Basic to translational science: Tissue-derived extracellular matrix for tendon repair	Prof. Michelle WANG

End of Day 1 -

15 DECEMBER 2022 (THU)

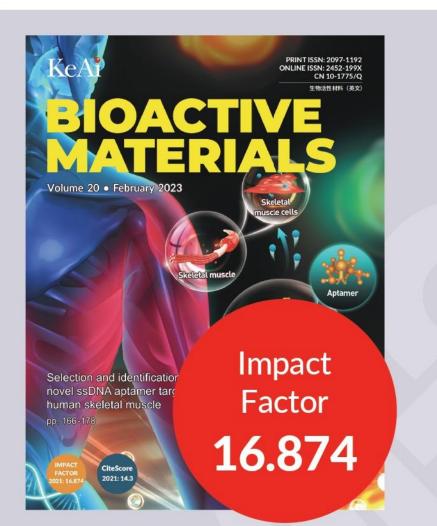
Time	Торіс	Speaker
08:30-09:00	Registration (Foyer of Lecture Theatre 1)	-
09:00-09:15	2022 Bioactive materials lifetime achievement award ceremony by KeAi	-
09:15-10:00	Regenerative engineering: Enabling the practice of regenerative medicine	Prof. Guillermo AMEER
10:00-10:45	Innovation and experience in entrepreneurship	Prof. Ali KHADEMHOSSEINI
10:45-11:00	Morning break (Seminar Rooms 3 & 4)	
11:00-11:30	Osteochondral repair using decellularized tissue engineering hyaline-like cartilage graft	Prof. Dongan WANG
11:30-12:00	Microneedle devices for intradermal delivery of vaccines	Dr. Chenjie XU
12:00-12:20	Cytidine-containing tails robustly enhance and prolong protein production of synthetic mRNA in cell and in vivo	Dr. Becki Yi KUANG
12:20-12:35	Closing ceremony: Closing remarks and e-poster award presentation	Prof. Kelvin YEUNG

- End of Day 2 -



KeA1 CHINESE ROOTS GLOBAL IMPACT







- Editors-in-Chief
 - Yufeng Zheng, Peking University
 - Jian Yang, The Pennsylvania State University
- Indexed by SCIE, PubMed Central, Scopus, INSPEC, DOAJ and Embase
- Impact Factor 2021: 16.874
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- CiteScore2021: 14.3

Co-organized by

Department of Orthopaedics and Traumatology, School of Clinical Medicine, The University of Hong Kong

Chinese Association for Biomaterials

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https://www.ortho.hku.hk/mbs2022