

Innovations in Medical Education and Research Symposium

2nd April 2022

Faculty of Medicine,
Macau University of Science and Technology

Meeting sponsors:
Macau University of Science and Technology
and
Sino Luso International Medical Forum



Symposium aim

To celebrate the 22nd anniversary of the Macau University of Science and Technology (MUST) and the first cohort of MBBS students entering the clinical phase of their training.

To strengthen ties between the Faculty of Medicine and medical institutions in the Greater Bay Area, Greater China and beyond.

Symposium abstract

Healthcare development is a major priority in the Greater Bay Area as well as Greater China. The Covid-19 pandemic has firmly placed the spotlight on the importance of training competent healthcare professionals and also innovative, translational research. As a young medical school, the Faculty of Medicine at the Macau University of Science and Technology celebrates its third year with the first cohort of medical students entering the clinical phase of their training. This symposium brings together medical educational experts from the Greater Bay Area, Greater China and also beyond to share their innovative medical education experiences. We will also aim to showcase some of our innovative teaching methods. The Faculty of Medicine also incorporates the Center of Biomedicine and Innovations (CBI). This conference will include a research symposium to allow discussions and sharing of the latest and most cutting edge medical research in the Greater Bay Area and Greater China.

Academic symposium program

Morning session

08:40 – 9:10	Guest Arrival & Registration	
9:10 – 9:20	Welcome by MUST President	Chair Prof. Joseph Lee
9:20-9:30 VIP and Group Photo		
Session 1 Part A – Innovation in Medical Education <i>(Chairs: Prof. Manson Fok & Prof. Niv Patil)</i>		
9:30 – 9:50	<i>“Innovation of Medical Education in Academic Medical Center – Sun Yat Sen University Experience”</i>	Prof. Ming Kuang (Sun Yat Sen University)
9:50 – 10:10	<i>“Exploration and Practice of Innovative Development of Medical Education in Comprehensive Universities with Overseas Chinese Characteristics”</i>	Prof. Liangping Luo (Jinan University)
10:10 – 10:30	<i>“Innovative approaches to medical education – the Peking Union Medical College experience”</i>	Prof. Shuyang Zhang (PUMC)
10:30 – 10:50 Coffee break		
Session 1 Part B – Innovation in Medical Education <i>(Chairs: Prof. Manson Fok & Prof. Niv Patil)</i>		
10:50 – 11:10	<i>“Innovating Via an Online Curriculum: Harvard Medical School’s HMX Program”</i>	Dr. Michael Parker (HMX)
11:10 – 11:30	<i>“Medical Education & Training in Greater Bay Area - A Tale of two cities”</i>	Prof. Chungmau Lo (HKUSZH)
Session 2 – Training Tomorrow’s Doctors <i>(Chairs: Prof. Brian Tomlinson & Dr. Billy Chan)</i>		
11:30 – 11:45	<i>“Communication In Medical Education”</i>	Dr. Olivia Monteiro (FMD, MUST)
11:45 – 12:00	<i>“Self-initiated elective in the “M.U.S.T.” Medical Curriculum”</i>	Prof. Sookja Kim Chung (FMD, MUST)
12:00 – 12:15	<i>“New Technologies to Simulate the Future in Medical Education”</i>	Dr. Billy Chan (FMD, MUST)
12:15 – 12:30	<i>“Computer-based virtual laboratory simulations for medical students”</i>	Dr. Daniel Baptista-Hon (FMD, MUST)
12:30 – 14:00 – Lunch (Seasons, MUST)		

Afternoon session

Inauguration of the official Faculty of Medicine journal: MedComm – Future Medicines		
14:15 – 14:30	MedComm – Future Medicines	Prof. Kang Zhang (FMD, MUST)
Session 3- Keynote lecture (Chair: Prof. Kang Zhang)		
14:30 – 15:15	<i>“Pathogenesis of retinal vascular dysplasia”</i>	Prof. Zhenglin Yang (Sichuan Academy of Medical Sciences)
15:15 – 15:30 Coffee break		
Session 4 – Research symposium (Chairs: Prof. Paul Tam & Prof. Sookja Kim Chung)		
15:30 – 15:50	<i>“Innovations to combat COVID and other emerging viral diseases”</i>	Prof. Manson Fok (FMD, MUST)
15:50 – 16:10	<i>“Lipoprotein(a) – Where are we now?”</i>	Prof. Brian Tomlinson (FMD, MUST)
16:10 – 16:30	<i>“The Shortest Distance in the Cell, the Longest Way for the Coronavirus”</i>	Prof. Xiao-Wei Chen (Center for Life Sciences, Peking University)
Closing remarks and beyond		

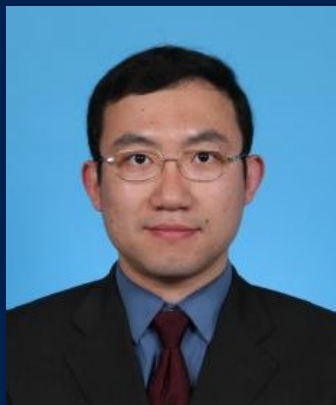
Keynote speaker



Prof Zhenglin Yang (Sichuan Academy of Medical Sciences)

- ◇ President of Sichuan Provincial People's Hospital
- ◇ Director of Sichuan Academy of Medical Sciences
- ◇ Director of School of Medicine of University of Electronic Science and Technology of China
- ◇ Member of Chinese Academy of Science
- ◇ Innovation Research Group of National Natural Science Foundation of China
- ◇ Innovation Team of Key Fields of Ministry of Science and Technology
- ◇ Innovation Unit outside China Academy of Chinese Medical Sciences
- ◇ Highly cited scholar in China for seven consecutive years (2014-2020)
- ◇ Leading scientific and technological innovation talent of the national "Ten Thousand Talents Program" (2018).
- ◇ Awarded: National Outstanding Professional and Technical Talents Award, Tan Jiazhen Life Science Award, Wu Jieping Medical Innovation Award, Wu Jieping-Paul Yangsen Medicine Pharmacy Award.

Guest speakers



Prof Xiao-Wei Chen (Peking University)

- ◇ Associate Professor and Principal Investigator at Institute of Molecular Medicine at Peking University.
- ◇ Specialises in lipoprotein biology and lipid homeostasis.
- ◇ Recipient of the Distinguished Young Scholar Award from the National Natural Science Foundation in China, Young Investigator Award from the Chinese American Diabetes Association and Special Recognition Award from the Society of Heart and Vascular Metabolism.



Prof Ming Kuang (Sun Yat-Sen University)

- ◇ Vice President, The First Affiliated Hospital, Sun Yat-Sen University
- ◇ Dean, Zhongshan School of Medicine, Sun Yat-Sen University
- ◇ Professor in Hepatobiliary surgery and Interventional Ultrasound
- ◇ Director of Cancer Center and Hepato-pancreato-biliary Surgery Center in FAH-SYSU.
- ◇ One of the leading experts in the field of tumor ablation in China.
- ◇ Prof Kuang majors in minimally invasive treatments for cancer and is interested in the mechanism, prevention and treatment of liver cancer recurrence and metastases, and precision cancer research including immunotherapy.
- ◇ Prof Kuang has published more than 100 original articles on Ann Oncol, Nature Communication, Hepatology, Radiology, and Clinical Cancer Research in recent years.

Guest speakers



Prof Liangping Luo (Jinan University)

- ◇ Dean of the Institute of Precision Medicine, Jinan University
- ◇ Director, Guangzhou Key Laboratory of Molecular and Functional Imaging Clinical Translation
- ◇ Director of Guangdong Medical Imaging Artificial Intelligence Precision Diagnosis Engineering Technology Research Center
- ◇ President of Guangdong Medical Education Association
- ◇ Vice President of Guangdong Medical Industry Association and Chairman of Medical Imaging Management Branch
- ◇ Deputy Chairman of the Radiology Branch of Guangdong Medical Association
- ◇ Deputy Chairman of the Radiology Branch of Guangdong Medical Doctor Association



Dr Michael Parker (Harvard Medical School)

- ◇ Associate Dean for Online Learning
- ◇ Assistant Professor of Medicine at Harvard Medical School
- ◇ Physician in the Division of Pulmonary, Critical Care, and Sleep Medicine at Beth Israel Deaconess Medical Center
- ◇ Former Senior Interactive Media Architect in the HMS Center for Educational Technology
- ◇ Former Rabkin Fellow in Medical Education

Guest speakers



Prof Chungmau Lo (The University of Hong Kong – Shenzhen Hospital)

- ◇ Hospital Chief Executive of The University of Hong Kong - Shenzhen Hospital (HKU-SZH)
- ◇ Chin Lan-Hong Professor of The University of Hong Kong
- ◇ Director of the Liver Transplant Center at Queen Mary Hospital
- ◇ Awarded China's top national honor of First-class State Scientific and Technological Progress Award in 2005; First-class Award in Research Achievements of the Minister of Education in 2013 ;First-class Scientific and Technological Award of China Medical Association in 2014
- ◇ President of the International Liver Transplantation Society (2010 - 2011, first Asian elected) and the International Society for Digestive Surgery (2006).
- ◇ Honorary Fellow of the American Surgical Association, the American College of Surgeons, the Royal College of Surgeons in Ireland, and Honorary Member of the European Surgical Association



Prof Shuyang Zhang (The Peking Union Medical College)

- ◇ President, Peking Union Medical College Hospital
- ◇ Vice President of Peking Union Medical College
- ◇ Vice President, Chinese Academy of Medical Sciences
- ◇ Secretary of the Party Committee of Peking Union Medical College Hospital
- ◇ Previously Deputy Director of the Department of Cardiology
- ◇ Awarded “国之名医优秀风范” (Excellent Famous Doctor in China) and “卓越建树奖” (Excellent Achievement Award) by the Chinese Academy of Medical Sciences
- ◇ Voted “患者心目中的好医生” (Good Doctor in the Hearts of Patients) by the Good Doctor Website
- ◇ Recognised as 北京市医德标兵 (the role model of Beijing medical ethics)

Faculty speakers

Professor Manson Fok



Dean, Faculty of Medicine, Macau University of Science and Technology.

Professor Kang Zhang



Vice Dean and Chair Professor, Faculty of Medicine, Macau University of Science and Technology.

Professor Brian Tomlinson



Professor, Faculty of Medicine, Macau University of Science and Technology.

Professor Sookja Kim Chung



Professor, Faculty of Medicine, Macau University of Science and Technology.

Dr. Billy Chan



Director, Center for Education in Medical Simulation, Macau University of Science and Technology.

Dr. Olivia Monteiro



Assistant Professor, Faculty of Medicine, Macau University of Science and Technology.

Dr. Daniel Baptista-Hon



Assistant Professor, Faculty of Medicine, Macau University of Science and Technology.

Organising committee

Conference chair

Prof. Manson Fok



Director

Prof. Niv Patil



Co-director

Dr. Valencia Chang

Conference co-ordinator

Dr. Daniel Baptista-Hon



Committee members

Dr. Olivia Monteiro



Dr. Billy Chan



Ms. Daisy Chan

Student volunteers

Frederick Du
Rebecca He
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Julie Lei
James Liang
Christine Peng
Hazel Tang
Millie Un
Ivanka Wei
Thient Zaw