

Publication(s)

1. Zhou, Y., Zhou, Y., Song, Y., Ren, L., Ng, C. H., **Xiang, Y. T.**, and Tang, Y. (2020) Tackling the Mental Health Burden of Frontline Healthcare Staff in the COVID-19 Pandemic: China's Experiences. *Psychol Med*, 1-5 [5yr IF=6.313]
2. Zou, J., Kou, S. H., Xie, R., VanNieuwenhze, M. S., Qu, J., Peng, B., and **Zheng, J.** (2020) Non-Walled Spherical Acinetobacter Baumannii Is an Important Type of Persisters Upon Beta-Lactam Antibiotics Treatment. *Emerg Microbes Infect*, 1-32 [5yr IF=6.183]
3. Wu, Q., Wong, J. P. C., and **Kwok, H. F.** (2020) Putting the Brakes on Tumorigenesis with Natural Products of Plant Origin: Insights into the Molecular Mechanisms of Actions and Immune Targets for Bladder Cancer Treatment. *Cells* 9 [2018 IF=5.656]
4. Zhang, L., Qi, H., Liu, Z., Peng, W. J., Cao, H., Guo, C. Y., Sun, Y. Y., Pao, C., and **Xiang, Y. T.** (2020) Construction of a ceRNA Coregulatory Network and Screening of Hub Biomarkers for Salt-Sensitive Hypertension. *J Cell Mol Med* [5yr IF=4.408]

EVENTS

FHS holds an online symposium with over 130 participants

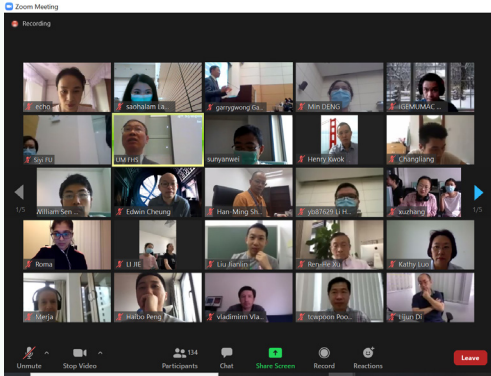
FHS held the 4th Symposium on Biomedical Sciences for Students, Post-doctoral Fellows and Research Assistants 2020 online successfully on 19 May. Over 130 students, researchers and academic in Macao, Mainland China and overseas participated in the online symposium. Five speakers presented their research findings on cancer development, metastasis, and genetics based on big data, the role of piRNA in dementia development, and metformin efficacy in a cell culture model for retinopathy. During the event, the participants had in-depth discussions and exchanged their research achievements in biomedical sciences.

Prof. Chuxia DENG welcomed all the participants and gave an opening speech for the symposium. Prof. DENG mentioned the rapid escalation of the global health crisis of COVID-19, the outstanding handling of the pandemic by the Macao Government, and the early response of FHS by organizing a special issue of reviews to summarize rapid progress on the emerging disease, which are highly cited by academics. He wished all the participants well in their own cities. Prof. DENG also encouraged all the researchers and students to persist in their research work and hoped that research collaborations could continue despite of the limitations of distance-education and communication.

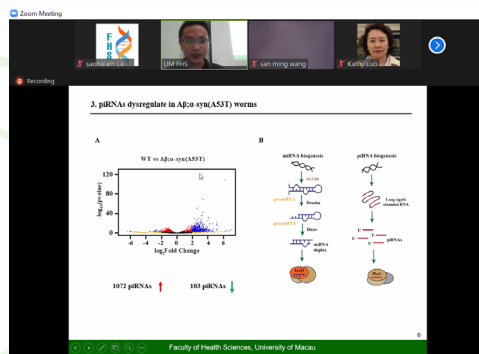
The symposium was held via ZOOM and Moodle. 35 posters presented research progress in the fields of cancer, stem cells, genomics, bioinformatics, bioimaging, aging, neuroscience, immunology, infectious diseases, and drug discovery, which were "walked" through by three tour guides via ZOOM. The symposium provided a platform for the researchers to exchange ideas and explore collaboration opportunities, and for students to learn and share their work with professionals. The symposium also included video promotion reflecting the impressive growth and prosperous future of the faculty. The participants voted for the best speaker and poster awards via Moodle. Let's congratulate the winners!

Best Speaker Award	
1 st Place	Jie YE
2 nd Place	Xiaobing HUANG
Honorable Mention	Koukou LI, Xia ZHAO and Siddharth SINHA
Best Poster Award	
1 st Place	Renbo DING and Ran WEI
2 nd Place	Siyi FU and Changxiang SHI
3 rd Place	Xinwei WU and Guimei CUI

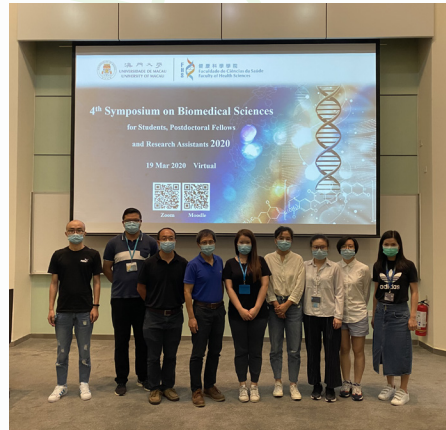
Prof. Ren-He XU gave a closing remark and concluded that this first virtual symposium of FHS was a great success, and expressed his appreciation to the organizers, administrative helpers, speakers, poster presenters, and audience.



Prof. Chuxia DENG gives an opening speech



A student presents his paper and the participants exchange their ideas



Group photos of the speakers and the organization committee

The Genomics, Bioinformatics, and Single Cell Analysis Core Organizes a ZOOM Technical Seminar

The Genomics, Bioinformatics, and Single Cell Analysis Core organized a seminar via ZOOM on 20 May about the NextSeq 2000 Sequencing System. The core invited Dr. Thomas YANG, an Illumina specialist from Taiwan, to provide FHS participants details on this innovative and advanced technology.

With the improved sequencing capabilities of this platform, the workflow is easier to use while driving down costs per Gb, and large data output can be generated in short turnaround time. NextSeq 2000 is the first system to integrate DRAGEN bio-IT platform on-board which accurately and promptly generates FASTQ data after sequencing run. Dr. YANG also mentioned the benefits and performance of NextSeq 2000 in accessing multiple applications such as in single cell genomics, RNA-seq, and ChIP-seq.

May / Jun 2020				
Mon	Tue	Wed	Thu	Fri
25	26	27	28	29
		AC Meeting Time: 15:00-17:00 Venue: N21-G013	FHS Postdoc/ Student Seminar Field: Data science Host: Prof. Terence POON Time: 17:00-18:00 Venue: N22-G002 and Zoom	
JUNE 1	2	3	4	5
	Oral Defense Ka In LOK Supervisor : Prof. Yutao XIANG Time: 15:00 Venue: N6-2022			
8	9	10	11	12
			FHS Postdoc/ Student Seminar Field: Data science Host: Prof. Terence POON and Prof. Ningyi SHAO Time: 17:00-18:00 Venue: N22-G002 and Zoom	
15	16	17	18	19