

### Publication(s)

1. Geng, X., Gao, D., Hu, D., Liu, Q., Liu, C., **Yuan, Z., Zhang, X.**, Liu, X., Sheng, Z., Wang, X., and Zheng, H. (2020) Active-Targeting NIR-II Phototheranostics in Multiple Tumor Models Using Platelet-Camouflaged Nanoprobes. *ACS Appl Mater Interfaces* [5yr IF = 8.901]
2. Shi, C., Yang, E. J., Liu, Y., Mou, P. K., Ren, G., and **Shim, J. S.** (2020) Bromodomain and Extra-Terminal Motif (BET) Inhibition is Synthetic Lethal with Loss of SMAD4 in Colorectal Cancer Cells via Restoring the Loss of Myc Repression. *Oncogene* [2019 IF = 7.971]
3. Sheraton, M. V., Chiew, G. G. Y., Melnikov, V., Tan, E. Y., **Luo, K. Q.**, Verma, N., and Slood, P. M. A. (2020) Emergence of Spatio-Temporal Variations in Chemotherapeutic Drug Efficacy: In-Vitro and in-Silico 3D Tumour Spheroid Studies. *Bmc Cancer* **20** (1), 1201 [5yr IF = 3.432]

### Visit

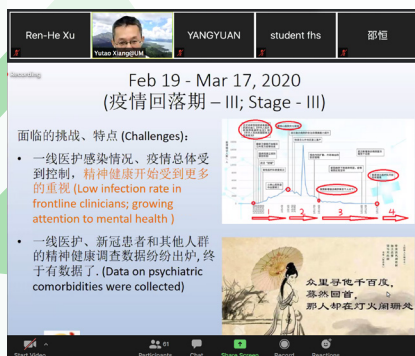
#### A Delegation of Bioland Laboratory visits FHS

A delegation of Bioland Laboratory led by Prof. Tao XU, Academician of the Chinese Academy of Sciences and Director of the Bioland Laboratory, paid a visit to FHS on 11 December. They were warmly received by FHS Dean Chuxia DENG, Associate Dean (Teaching) Guokai CHEN and Assistant Dean (Student Affairs) Xuanjun ZHANG. During the visit, Prof. Deng shared the latest developments, academic programmes and research achievements of FHS with the guests.



### Seminar Series

#### Clinical Studies on Mental Health during the COVID-19 Outbreak in China



Prof. Yutao XIANG presented "Clinical Studies on Mental Health during the COVID-19 Outbreak in China" on 11 December.

In the seminar, Prof. XIANG claimed that mental health problems were common in different subpopulations during the COVID-19 outbreak. He reported that understanding the patterns of mental health comorbidities associated with COVID-19 was important to develop appropriate preventive measures and timely treatments and allocate health resources for policymakers and health professionals. He also introduced that clinical studies on mental health in different stages of the COVID-19 outbreak in China.

### PhD Oral Defence

#### PhD Oral Defence by Fang WANG of Prof. Chris Koon Ho WONG and Liangnan ZENG of Prof. Yutao XIANG

Ms. Fang WANG supervised by Prof. Chris Koon Ho WONG and Ms. Liangnan ZENG supervised by Prof. Yutao XIANG completed their PhD oral defences on 9 December. Their thesis titles are “Fungal spore transcription activity before dormancy drives phenotypic variation” and “The prevalence and demographic correlates of burnout and sleep disturbance and the association with quality of life among psychiatric nurses in China”.



Ms. Wang reported that spores are the main infectious propagules of fungal pathogens. They can stay dormant for a long time until encountering favourable conditions. She showed that the so-called dormant spores remain transcriptionally active and responsive to the environment until leaving conidiophore. The transcriptional responses of spores can influence spore content and have far-reaching effects in subsequent fitness and capabilities after germination, including drug and stress resistance, mycotoxin production, and virulence. She has delineated how genetically identical spores achieve phenotypic variation and uncovered how spores prepare for the future by synthesizing and storing relevant transcripts before dormancy.

Ms. Zeng introduced that burnout and related physical issues were common among Chinese psychiatric nurses. Her study was conducted to examine the rate of burnout and sleep disturbance in the Chinese psychiatric nurses and their associations with sociodemographic characteristics and quality of life (QOL). She found that significant differences between nurses with and without burnout and between nurses with and without sleep disturbance were found in all domains of QOL. She concluded that burnout and sleep disturbance were common in the Chinese psychiatric nurses.



### FHS Postdoc Student Seminar

#### Presented by Prof. Yunlu DAI's group and Prof. Xuanjun ZHANG's group

On 10 December, Ms. Wei SANG of Prof. Yunlu DAI's group presented “Oxygen Enriched Metal-Phenolic X-ray Nanoprocessor for Cancer Radio-Radiodynamic Therapy in Combination with Checkpoint Blockade Immunotherapy” and Mr. Jun GONG of Prof. Xuanjun ZHANG's group presented “The Investigation of Reaction-Based Chiroptical Probes with Circularly Polarized Luminescence (CPL)”.

The next seminar will be held on 7 January 2021, and presented by the group members of Prof. San Ming WANG and Prof. Douglas Xiaohua ZHANG via Zoom.



DEC / JAN				
Mon	Tue	Wed	Thu	Fri
14	15	16	17	18
		<b>Oral Defence</b> Yaojun JU Supervisor: Prof. Kin Yip TAM Time: 10:00 Venue: E12-4004  <b>BCAT Meeting</b> Speaker: Prof. Hanming SHEN Time: 17:00-18:00 Venue: E12-G004	<b>Oral Defence</b> Roma Pradeep BORKAR Supervisor: Prof. Ren-he XU Time: 10:30 Venue: E6-3111  <b>Oral Defence</b> Linjing SHEN Supervisor: Prof. Garry WONG Time: 16:00 Venue: E12-G020	
21 <b>Holiday-</b> Winter Solstice	22 <b>Holiday-</b> Compensatory rest day of Winter Solstice	23	24 <b>Holiday-</b> Christmas Eve	25 <b>Holiday-</b> Christmas Day
28	29	30	31 <b>Holiday</b> (afternoon)- New Year's Eve	January 2021 1 <b>Holiday-</b> New Year's Day