

Publication(s)

1. Farhan, M., Silva, M., Li, S., Yan, F., Fang, J., Peng, T., Hu, J., Tsao, M. S., Little, P., and **Zheng, W.** (2020) The Role of FOXOs and Autophagy in Cancer and Metastasis-Implications in Therapeutic Development. *Med Res Rev* [2018 IF=9.791]
2. Li, W., Yang, Y., Ng, C. H., Zhang, L., Zhang, Q., Cheung, T., and **Xiang, Y. T.** (2020) Global Imperative to Combat Stigma Associated with the Coronavirus Disease 2019 Pandemic. *Psychol Med*, 1-2 [5yr IF=6.313]
3. Tian, T., Meng, F., Pan, W., Zhang, S., Cheung, T., Ng, C. H., Li, X. H., and **Xiang, Y. T.** (2020) Mental Health Burden of Frontline Health Professionals in Screening and Caring the Imported COVID-19 Patients in China During the Pandemic. *Psychol Med*, 1-5 [5yr IF=6.313]
4. Yan, J., Bhadra, P., Li, A., Sethiya, P., Qin, L., Tai, H. K., **Wong, K. H.**, and Siu, S. W. I. (2020) Deep-AmPEP30: Improve Short Antimicrobial Peptides Prediction with Deep Learning. *Mol Ther Nucleic Acids* **20**, 882-894 [5yr IF=6.018]
5. Dong, H., Chandratre, K., Qin, Y., Zhang, J., Tian, X., Rong, C., Wang, N., Guo, M., Zhao, G., and **Wang, S. M.** (2020) Prevalence of BRCA1/Brca2 Pathogenic Variation in Chinese Han Population. *J Med Genet* [5yr IF=5.928]
6. Wang, L., Lu, G., and **Shen, H. M.** (2020) The Long and the Short of PTEN in the Regulation of Mitophagy. *Front Cell Dev Biol* **8**, 299 [2018 IF=5.206]
7. Li, H., Li, Y., Xiang, J., Yang, X., Li, C., Liu, C., **Zhao, Q.**, Zhou, L., Gong, P., and Huang, J. (2020) Intelligent Bimetallic Nanoagents as Reactive Oxygen Species Initiator System for Effective Combination Phototherapy. *Front Bioeng Biotechnol* **8**, 423 [2018 IF=5.122]

BCAT MEETING

Presented by Prof. Hongjie ZHANG

Prof. Hongjie ZHANG reported her research on the “Role of Ubiquitination in Epithelial Morphogenesis” in the BCAT meeting on 3 June.

Ubiquitination is a widespread and significant post-translational modification that covalently attaches the conserved protein - ubiquitin - to protein substrates. Ubiquitination gives rise to a wide range of functions, from targeting substrates for degradation to forming signaling complexes with substrates.

Prof. ZHANG's lab has tried to understand the role of a new E3 ligase component of ubiquitination pathway in epithelial morphogenesis by using *C. elegans* as a model system. Integrating bioimaging and genome-scale transcriptomic and proteomic profilings, her lab has discovered a dramatic intracellular response upon loss of the E3 ligase. She has presented the detailed mechanism on how the E3 ligase regulates epithelial integrity through maintaining protein homeostasis.

PHD ORAL DEFENCE

PhD Oral Defences by Ka In LOK of Prof. Yutao XIANG's group and Weiyi SONG of Prof. Wei GE's group

Ms. Ka In LOK supervised by Prof. Yutao XIANG and Mr. Weiyi SONG supervised by Prof. Wei GE completed their PhD oral defences on 2 and 4 Jun respectively. Their thesis titles are "Knowledge, Attitudes and Behavioral Intentions Related to Advance Care Planning among university students in Macau, Hong Kong and China" and "Novel Genome-edited Zebrafish Models for Screening Environmental Estrogenic Endocrine-disrupting Chemicals (e-EDCs) and Understanding Their Action Mechanisms".

Ms. LOK claimed that advance care planning (ACP) is an essential process for achieving high-quality end-of-life care, decreasing medical expenditures, and alleviating distress among patients and their family members. She reported that the university students hold a positive attitude towards the ACP. She also compared the students in Macao and Hong Kong indicated that females and students majoring in medical-related fields in mainland China carried a slightly more positive attitude towards ACP. Moreover, she found that the aggressive treatment preference of students was significantly related to positive life attitudes and death attitudes among university students. She concluded that the importance of devoting effort on promoting positive life attitudes and alleviating death anxiety among university students through emphasis on life and death education.



Mr. SONG pointed out that estrogenic endocrine disrupting chemicals (e-EDCs) can induce endocrine disorders in humans and animals. He generated several zebrafish mutants deficient in estrogen production and signaling, which could be valuable for evaluating estrogenic activities and mechanisms of e-EDCs. He evaluated the action mechanisms of estrogenic EDCs by using mutants of three nuclear estrogen receptors alone or in combination that he thought all-male aromatase mutant (*cyp19a1a*^{-/-}) may be sensitive to estrogenic exposure. Then he found that the exposure to BPA and its substitutes (BPF and BPAF) could rescue the all-male phenotype of the *cyp19a1a*^{-/-} mutant, and they delayed gonadal development in both sexes, resulting in infertility or subfertility. He concluded that the feminizing effect of BPA on sexual differentiation was dependent on nERs, in particular *esr2a*.

Jun / Jul 2020				
Mon	Tue	Wed	Thu	Fri
8	9	10	11	12
			FHS Postdoc/ Student Seminar Field: Molecular Biology Host: Prof.Lijun DI and Prof. Vivien WANG Time: 17:00-18:00 Venue: N22-G002 and Zoom	
15	16	17	18	19
		BCAT Meeting Speaker: Prof. Leo LEE Time: 17:00-18:00 Venue: N21-G013	Oral Defence Mengqiao CUI Supervisor : Prof. Hongjie ZHANG Time: 15:00 Venue: N6-2022	
22	23	24	25	26
Oral Defence Qingyu ZHANG Supervisor : Prof. Leo LEE Time: 15:00 Venue: N6-2022			Holiday Tuen Ng Festival	
29	30	Jul 1	2	3
		Oral Defence Menglei ZHANG Supervisor : Prof. Gary WONG Time: 10:00 Venue: N6-2022	Oral Defence Wenwang RAO Supervisor : Prof. Yutao XIANG Time: 10:00 Venue: N6-2022	
		BCAT Meeting Speaker: Dr. Li WANG Time: 17:00-18:00 Venue: N21-G013		