

Publication(s)

1. Zhou, P., Chan, B. K. C., Wan, Y. K., Yuen, C. T. L., Choi, G. C. G., Li, X., Tong, C. S. W., Zhong, S. S. W., Sun, J., Bao, Y., Mak, S. Y. L., Chow, M. Z. Y., Khaw, J. V., Leung, S. Y., Zheng, Z., Cheung, L. W. T., **Tan, K., Wong, K. H.**, Chan, H. Y. E., and Wong, A. S. L. (2020) A Three-Way Combinatorial CRISPR Screen for Analyzing Interactions among Druggable Targets. *Cell Rep* **32** (6), 108020 [5yr IF = 8.816]
2. Qin, Z., Kuok, C. N., Dong, H., Jiang, L., Zhang, L., Guo, M., Leong, H. K., Wang, L., Meng, G., and **Wang, S. M.** (2020) Can Population BRCA Screening Be Applied in Non-Ashkenazi Jewish Populations? Experience in Macau Population. *J Med Genet* [5yr IF = 5.779]
3. Zhao, X., Wang, Y., He, J., Deng, R., Huang, X., Guo, Y., Li, L., **Xie, R.**, and Yu, J. (2020) LncRNA UCA1 Maintains the Low-Tumorigenic and Nonmetastatic Status by Stabilizing E-Cadherin in Primary Prostate Cancer Cells. *Mol Carcinog*, 1–14 [2019 IF = 3.825]

Academic Promotion

Prof. Guokai CHEN promoted to Professor

With effective from 16 August, Prof. Guokai CHEN, Associate Dean (Teaching) of FHS, has been promoted to Professor.



Prof. Chen was recruited to FHS in 2014 and then appointed as Assistant Dean (Student Affairs) in 2016 and Interim Associate Dean (Teaching) in 2019. He received FHS' Best Teacher Award (excellence in teaching) in 2018 and Best Teacher Award (excellence in service) in 2019, both of which affirm his excellence in these aspects. Prof. Chen has been dedicated to optimizing the academic programmes to ensure that the students can keep pace with the world-class standard and the needs of the society.

Likewise, Prof. Chen has been ameliorating the joint study programmes and fostering the collaboration with other prestigious universities, allowing FHS students to obtain international experience in learning and research while pursuing two degrees. Prof. Chen always strives to enhance students' learning by involving them in real research projects, and adopting blended learning that combines online educational materials for online interaction with traditional place-based classroom methods.

In addition to Prof. Chen's teaching, he has been actively taking the lead in the research of molecular regulation of growth factors and nutritional factors that affect the maintenance and the differentiation of human embryonic stem cells (hESC) and induced pluripotent stem cells (iPSC). His research team devotes to developing novel technologies that facilitate stem cell applications in basic and translational research. Multiple of his previous inventions have been successfully launched in commercial production for stem cell research in the field. He is currently the president of executive committee of Macau Society for Stem Cell Research and a member of Society of Chinese Bioscientists in America.

Congratulations to Prof. Chen's promotion and we look forward to his continuing contributions to the Faculty. You may learn more about Prof. Chen via his profile page of our website. (<https://fhs.um.edu.mo/en/staff/guokai-chen/>)



PhD Oral Defence

PhD Oral Defences by Chao BIAN of Prof. Wei GE's group

Mr. Chao BIAN supervised by Prof. Wei GE completed his PhD oral defence on 17 August. His thesis title is "Genome and Transcriptome Sequencing of *Casper* Zebrafish and Glass Catfish Provides Novel Insights into the Molecular Mechanisms of Transparent Phenotypes".

Mr. Bian introduced that transparent fishes such as *casper* zebrafish and glass catfish are widely used for the fish models. He has sequenced the whole genome resequencing and transcriptome sequencing of *casper* and *roy* zebrafish mutants. He reported that genomic SNPs in the *mpv17* gene are firstly reported to cause defective splicing, which could be a major molecular clue about iridophore loss. He has performed the comparative transcriptomic analyses of the skin tissues from the AB, and the *roy* and *casper* groups revealed the detailed transcriptional changes in several core genes that may be involved in melanophore and iridophore degeneration. He has also generated a chromosome-level genome assembly and a high-confidence genome annotation of glass catfish with the transparent phenotype, and found that the loss of the *edn3b* gene in the glass catfish could be the main reason for iridophore loss. Moreover, he found that a nonsense mutation leading to a premature stop codon in the *tyrp1b* gene of the glass catfish could be one of the reasons for melanophore loss. He concluded that the comparative genomic analysis of several core genes in the melanin synthesis pathway from 90 representative vertebrate genomes provided more detailed molecular clues regarding the melanophore loss, and the potential convergent gene evolution in the white-skinned fishes.

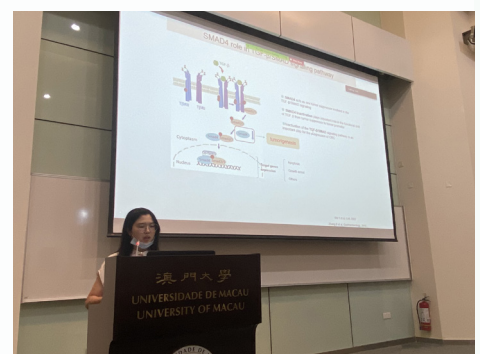
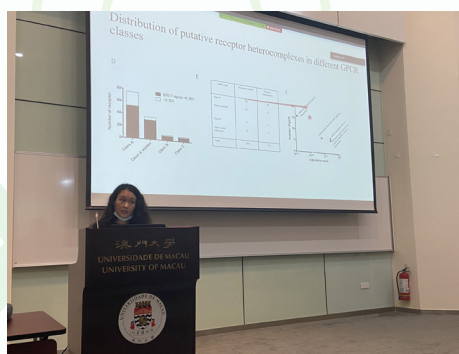


FHS Postdoc Student Seminar

Presented by Prof. Leo LEE's group and Prof. Joong Sup SHIM's group

On 20 August, Ms. Ran KE of Prof. Leo LEE's group presented "Heterocomplex Screening Identifies GPER as a Negative Regulator of Kiss1R via Receptor Retention" and Ms. Changxiang SHI of Prof. Joong Sup SHIM's group presented "Screening of SMAD4 Synthetic Lethal Partners Targeting Colorectal Cancer".

The next seminar will be held on 3 September, and presented by the group members of Prof. Wei GE and Prof. William CHAO, again via Zoom.



Aug / Sep					
Mon	Tue	Wed	Thu	Fri	Sat
24	25	26	27	28	29
		<p>Oral Defence Hao JIA Supervisor: Prof. Kathy LUO Time: 15:00 Venue: N6-2022</p> <p>Qualifying Exam Chang LU Supervisor: Prof. Jun ZHENG Time: 15:00 Venue: E12-4004</p> <p>BCAT Meeting Speaker: Prof. Ninyi SHAO Time: 17:00-18:00 Venue: E12-G004</p>	<p>Oral Defence Lingling HU Supervisor: Prof. Edwin CHEUNG Time: 10:00 Venue: N6-2022</p> <p>Oral Defence Shuo YANG Supervisor: Prof. Qi ZHAO Time: 15:00 Venue: N6-2022</p>		
31	Sep 1	2	3	4	5
<p>Qualifying Exam Wenfei PAN Supervisor: Prof. Vivien WANG Time: 11:00 Venue: E12-4004</p>		<p>Oral Defence Shuhui GUO Supervisor: Prof. Chris WONG Time: 10:00 Venue: N6-2022</p> <p>Oral Defence Xin LU Supervisor: Prof. Terence POON Time: 15:00 Venue: N6-2022</p>	<p>Orientation for New PG students 2020 Speaker: Prof. Chuxia DENG Time: 16:00 Venue: E12-G003 (TBC)</p> <p>Orientation for New UG students 2020 Speaker: Prof. Chuxia DENG Time: 14:30 Venue: E12-G003 (TBC)</p> <p>FHS Postdoc/ Student Seminar Session: Reproduction, Development and Aging & Structural Biology Host: Prof. Wei GE and Prof. William CHAO Time: 17:00-18:00 Venue: N22-G002 & ZOOM</p>		<p>Oral Defence Jianlin LIU Supervisor: Prof. Xiaoling XU Time: 15:00 Venue: E12-4004</p>
7	8	9	10	11	12
		<p>Oral Defence Yiqi YANG Supervisor: Prof. Gang LI Time: 10:00 Venue: N6-2022</p> <p>BCAT Meeting Speaker: Prof. Chuxia DENG Time: 17:00-18:00 Venue: E12-G004</p>			