

ACADEMIC ACTIVITIES

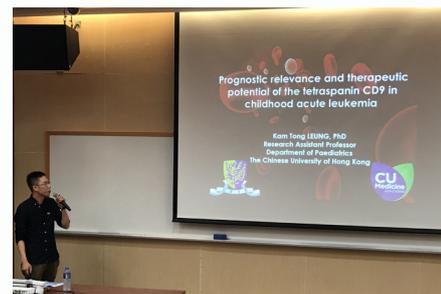
Publication(s) of the week

1. Jiang, S. H., Zhu, L. L., Zhang, M., Li, R. K., Yang, Q., Yan, J. Y., Zhang, C., Yang, J. Y., Dong, F. Y., Dai, M., Hu, L. P., Li, J., Li, Q., Wang, Y. H., Yang, X. M., Zhang, Y. L., Nie, H. Z., Zhu, L., Zhang, X. L., Tian, G. A., Zhang, X. X., Cao, X. Y., Tao, L. Y., Huang, S., Jiang, Y. S., Hua, R., Luo, K. Q., Gu, J. R., Sun, Y. W., Hou, S., and Zhang, Z. G. (2019) GABRP Regulates Chemokine Signalling, Macrophage Recruitment and Tumour Progression in Pancreatic Cancer through Tuning KCNN4-mediated Ca(2+) Signalling in a GABA-independent Manner. *Gut* [IF=15.91]
2. Tuncer, E., Calcada, R. R., Zingg, D., Varum, S., Cheng, P., Freiburger, S. N., Deng, C. X., Kleiter, I., Levesque, M. P., Dummer, R., and Sommer, L. (2019) SMAD Signaling Promotes Melanoma Metastasis Independently of Phenotype Switching. *J Clin Invest* 130 [IF=14.434]
3. Godoy-Parejo, C., Deng, C. H., Liu, W. W., and Chen, G. K. (2019) Insulin Stimulates PI3K/AKT and Cell Adhesion to Promote the Survival of Individualized Human Embryonic Stem Cells. *Stem Cells* [IF=6.174]
4. Jiang, B., Yan, L., Wang, X., Li, E., Murphy, K., Vaccaro, K., Li, Y., and Xu, R. H. (2019) Concise Review: Mesenchymal Stem Cells Derived from Human Pluripotent Cells, an Unlimited and Quality-Controllable Source for Therapeutic Applications. *Stem Cells* 37, 572-581 [IF=6.174]
5. Lyu, J. F., Yang, E. J., and Shim, J. S. (2019) Cholesterol Trafficking: An Emerging Therapeutic Target for Angiogenesis and Cancer. *Cells* 8 [IF=4.829]
6. Zhang, Q., Yu, S., Lok, S. I. S., Wong, A. S. T., Jiao, Y., and Lee, L. T. O. (2019) FAM83D Promotes Ovarian Cancer Progression and its Potential Application in Diagnosis of Invasive Ovarian Cancer. *J Cell Mol Med* [IF=4.252]

Seminar Series

Prognostic Relevance and Therapeutic Potential of the Tetraspanin CD9 in Childhood Acute Leukemia - Prof. Kamtong LEUNG

Prof. Kamtong LEUNG, Research Associate Professor of Faculty of Medicine, The Chinese University of Hong Kong, presented a talk on “Prognostic Relevance and Therapeutic Potential of the Tetraspanin CD9 in Childhood Acute Leukemia” on 29 April.



Prof. LEUNG reported that acute leukemia is the most common malignancy and the leading cause of cancer-related death in children. Despite advances in risk-adapted multi-agent chemotherapy, there are still dismal outcomes for the specific subtypes of high-risk and relapsed/refractory cases. Therefore, Prof. LEUNG focuses his research on developing novel and effective treatment approaches for acute leukemia. Prof. LEUNG and his team has identified that CD9 positivity independently predicted inferior survival outcomes, and could be applied with established prognostic features for refinement of risk stratification in a patient cohort of B-precursor acute lymphoblastic leukemia (B-ALL). Prof. LEUNG also reported that the administration of CD9 antibody as a single-agent or in combination of conventional chemotherapy, substantially suppressed disease progression of high-risk and refractory B-ALL in patient-derived xenografts. Moreover, Prof. LEUNG also studied CD9 in acute myeloid leukemia (AML). CD9 was epigenetically silenced and conferred poor patient survival.

Collectively, Prof. LEUNG's studies reveal unique function and prognostic impact of CD9 in two distinct leukemia subtypes, and lay the foundation for clinical development of CD9-targeted therapy for high-risk pediatric acute leukemia.

Seminar Series

Stay Hungry & Stay Healthy: Understanding the Role of Autophagy in Cancer and Beyond - Prof. Han-Ming SHEN



Prof. Han-Ming SHEN, Professor of Department of Physiology, Yong Loo Lin School of Medicine, National University of Singapore, presented a talk on “Stay Hungry & Stay Healthy: Understanding the Role of Autophagy in Cancer and Beyond” on 3 May.

Prof. SHEN introduced the highly conserved process of autophagy in which cellular contents are engulfed into autophagosome and then delivered to the lysosome for degradation. Prof. SHEN also

introduced how autophagy is closely implicated in many important diseases and public health. Moreover, Prof. SHEN discussed the exact role of autophagy in cancer with his ongoing projects related to autophagy and metabolism in cancer. He focused his discussion on one of his projects including selective killing of non-small cell lung cancer (NSCLC) patients with WT-EGFR/LKB1-mutation which are currently not applicable to targeted therapy with EGFR-TKI.

Prof. SHEN finally concluded that targeting the autophagy-lysosomal pathway carries great potential in development of novel cancer therapeutic strategies.

PhD ORAL DEFENSE

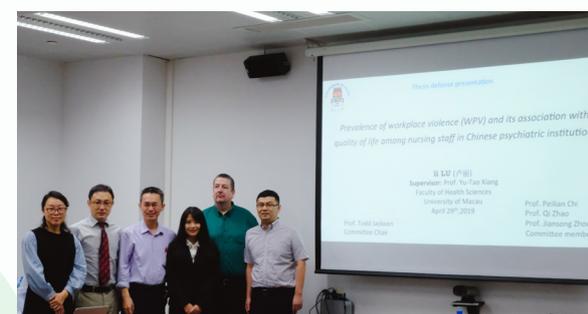
PhD Oral Defenses by Min DONG and Li LU of Prof. Yutao XIANG's group

Ms. Min DONG and Ms. Li LU, supervised by Prof. Yutao XIANG, completed their PhD Oral Defenses on 29 April. The title of Ms. DONG's thesis was “Use of Antipsychotic and Concomitant Medications in Asian Adult Schizophrenia Patients: Research on Asian Psychotropic Prescription Pattern, the fourth survey”, and Ms. LU's thesis was “Prevalence of Workplace Violence (WPV) and its Association with Quality of Life among Nursing Staff in Chinese Psychiatric Institutions”.

Ms. DONG introduced the treatment for schizophrenia and the importance of regular surveys for monitoring the prescription patterns of psychotropic drugs in naturalistic settings. Her study aimed to examine the psychotropic prescription patterns in Asian adult schizophrenia patients using the data of Research on Asian Psychotropic Prescription (REAP) 2016 and she has analyzed 15 Asian countries/territories. She also reported her examination on the prevalence of antipsychotic drugs and each category of psychotropic medicines.



On the other hand, Ms. LU claimed that workplace violence (WPV) and related health issues such as sleep disturbances, cigarette smoking (CS) and alcohol use among the nurses are very common in the mental health services environment in China. She reported the prevalence of WPV, sleep disturbances, CS and alcohol use among the nurses in psychiatric institutions with her cross-sectional study, which was conducted in 11 major Chinese psychiatric institutions. She also identified and discussed the psychiatric nurses' quality of life and its correlations with potential factors.

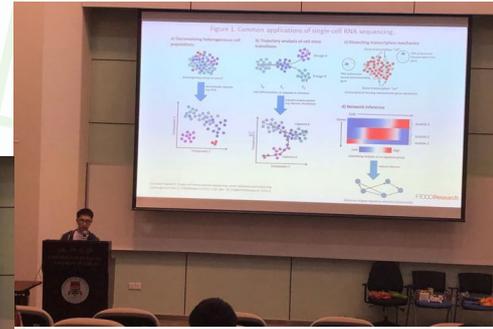
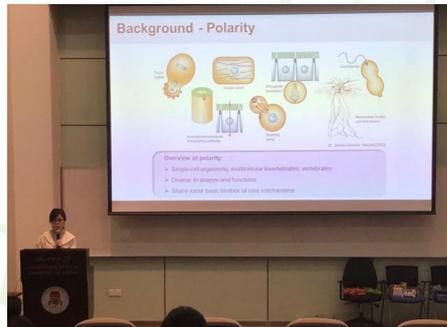


STUDENT ACTIVITIES

FHS Postdoc Student Seminar - Presented by Prof. Hongjie ZHANG's group and Prof. Douglas Xiaohua ZHANG's group

On 2 May, Ms. Mengqiao CUI of Prof. Hongjie ZHANG's group presented "Sphingosine 1-phosphate Regulates *C. elegans* Tube Morphogenesis by Binding with CCT-5" and Mr. Kuancheok LEI of Prof. Douglas Xiaohua ZHANG's group presented "Data Analysis of Normal and Tumour Breast Epithelial Cells in BRCA1-mutant Mice from Single Cell RNA-seq Experiment".

The next seminar will be held on 16 May, and presented by the group members of Prof. Kin TAM and Prof. Yunlu DAI.



CALL FOR APPLICATION

6th Macau Symposium on Biomedical Sciences 2019

6th Macau Symposium on
Biomedical Sciences 2019
12-13 JUNE 2019

UNIVERSIDADE DE MACAU
澳門大學
UNIVERSITY OF MACAU

FHS 健康科學學院
Faculdade de Ciências da Saúde
Faculty of Health Sciences

FHS is going to have the 6th Macau Symposium on Biomedical Sciences 2019 on 12 and 13 June, 2019, and we are now calling for posters. The theme of this year's symposium is INNOVATION.

If you are interested in presenting a poster, please follow the link or QR code for the registration and abstract submission: https://umac.au1.qualtrics.com/jfe/form/SV_0UlfC9QmVM4fsyh

Deadline for proposal submission: 15 May 2019 (Wednesday)



MAY				
Mon	Tues	Wed	Thurs	Fri
6	7	8	9	10
<p><u>Seminar Series</u> Disentangling the Manifold Functions of RORYt: A Way to Target Autoimmune Diseases Speaker: Dr. Zhiheng HE Time: 10:00-11:00 Venue: E12-G004</p>	<p><u>Seminar Series</u> Understanding the Regulatory Potential of Minor Spliceosome Speaker: Prof. Mikko FRILANDER Host: Prof. Garry WONG Time: 10:00-11:00 Venue: E12-G004</p>	<p><u>B-CAT Meeting #09</u> Speaker: Prof. Kathy LUO Time: 17:00 Venue: E12-G004</p> <p><u>Seminar</u> TBC for the title Host: BIO-LING HK LTD. Time: 14:30-15:30 Venue: N22-G002</p>		<p><u>Seminar Series</u> Role of VCP/p97, an AAA-ATPase, in Cell Cycle Control Speaker: Prof. Jianbo YUE Host: Prof. Renhe XU Time: 14:30-15:30 Venue: N22-G002</p>
13	14	15	16	17
<p>The first workig day after the Buddha's Birthday</p>	<p><u>Oral Defense</u> Ms. Jingjing LI Supervisor : Prof. Lijun DI Time: 15:00 Venue: N6-G010</p>	<p><u>Oral Defense</u> Oral Defense Ms. Yang YANG Supervisor : Prof. Guokai CHEN Time: 15:00 Venue: N6-2022</p>	<p><u>Oral Defense</u> Mr. Peipei LI Supervisor : Prof. Lijun DI Time: 16:00 Venue: E12-G003</p> <p><u>FHS Postdoc/ Student Seminar</u> Host: Prof. Kin TAM and Prof. Yunlu DAI Time: 17:00-18:00 Venue: N22-G002</p>	
20	21	22	23	24
		<p><u>Oral Defense</u> Ms. Chengcheng SONG Supervisor : Prof. Guokai CHEN Time: 16:00 Venue: N6-G010</p> <p><u>B-CAT Meeting #10</u> Speaker: Prof. Joong Sup SHIM Time: 17:00 Venue: E12-G004</p>		