

ACADEMIC ACTIVITIES

Publication(s) of the week

1. Liu, M., Liu, X., Huang, Z., Tang, X., Lin, X., Xu, Y., Chen, G., Kwok, H. F., Lin, Y., and Feng, S. (2018) Rapid discrimination of colon cancer cells with single base mutation in KRAS gene segment using laser tweezers Raman spectroscopy. *J Biophotonics*, e201800332
2. Li, P., Chen, Z., Huang, Y., Li, J., Xiao, F., Zhai, S., Wang, Z., Zhang, X., and Tian, L. (2018) A pH responsive fluorescent probe based on dye modified i-motif nucleic acids. *Org Biomol Chem*
3. Lu, L., Xu, D. D., Liu, H. Z., Zhang, L., Ng, C. H., Ungvari, G. S., Wu, W. T., Xiang, Y. F., An, F. R., and Xiang, Y. T. (2018) Mobile phone addiction in Tibetan and Han Chinese adolescents. *Perspect Psychiatr Care*
4. Mughal, M. J., Mahadevappa, R., and Kwok, H. F. (2018) DNA replication licensing proteins: Saints and sinners in cancer. *Semin Cancer Biol*

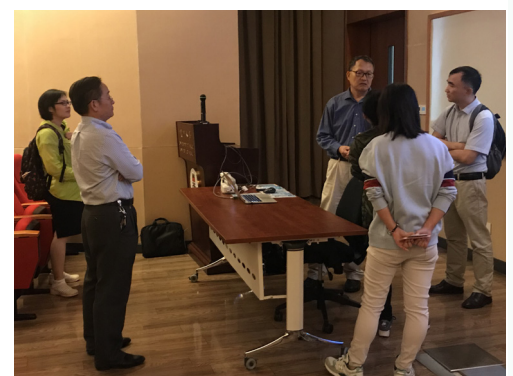
Seminar Series

Skin Regeneration: Stem Cells and their Niches - Prof. Yaojiong WU

Prof. Yaojiong WU, Professor of Tsinghua University Graduate School at Shenzhen, presented a talk on "Skin Regeneration: stem cells and their niches" on 6 December.

In humans and mammals, the skin is not fully regenerated after deep injuries. The hair follicle and other appendages of the epidermis lost in the injury are largely not regenerated.

Prof. WU has identified the essential stem cell types required for the genesis of the hair follicle and sebaceous gland, and therefore suggested novel therapeutic methods for skin regeneration. He has implanted the graft made of stem cells seeded in a hydrogel or a synthetic scaffold to nude mice, and there was neogenesis of the hair follicle and sebaceous gland.



PhD ORAL DEFENSE

PhD Oral Defense by Xiaoyan WANG of Prof. Ren-He XU's group



Ms. Xiaoyan WANG, supervised by Prof. Ren-He XU, has completed her PhD Oral Defense on 5 December. The title of her thesis was “Topical application of hESC-derived mesenchymal stem cell spheres accelerates wound healing in a CXCL12-CXCR4 axis-dependent manner”.

Ms. WANG presented the high efficacy of human embryonic stem cells (EMSCSp) on promoting wound healing. She also suggested that the topical application of EMSC spheres could be an unlimited, quality-assured, safety-enhanced and noninvasive therapy for wound healing, and the CXCL12-CXCR4 axis was a key player in the execution of the therapeutic effects.

GUEST VISIT

3rd Educational Conference of the University of Macau and Malaysia Independent High Schools

A delegation of Malaysia Independent High Schools composed of Malaysian high school principals and consultants visited the University on 5 December. In that morning, the delegation has met several units of the University, and Prof. Chuxia DENG introduced the development of FHS and the academic programmes FHS offers. In the meeting, Prof. DENG exchanged ideas with the Malaysian high school principals about the student recruitment for FHS. In the afternoon, the delegation visited FHS, and Prof. Garry WONG received them for the lab tour and further explained the operation of FHS to the guests.



DECEMBER				
Mon	Tues	Wed	Thurs	Fri
10 The first working day after the Feast of Immaculate Conception	11 AC Meeting Time: 14:30 to 16:30 Venue: E12-G004	12 Seminar Series The Exosome-Mediated Autocrine and Paracrine Role of Plasma Gelsolin in Ovarian Cancer Chemoresistance Speaker: Benjamin TSANG Host: Prof. Wei GE and Prof. Lijun DI Time: 11:00-12:00 Venue: E12-G004 Year-end Tea Gathering Time: 15:00-16:30 Venue: E12-Learning Common	13 FHS Postdoc/ Student Seminar Series Host: Prof. Yutao XIANG and Prof. Jun ZHENG Time: 17:00-18:00 Venue: E12-G003 Seminar Series Acetylcholinesterase: Protein Assembly and Transcriptional Control Speaker: Karl TSIM Host: Prof. Kathy LUO Time: 15:00-16:00 Venue: E12-G003	14 Seminar Series Challenge and promise of human embryonic stem cell based therapy Speaker: Yang XU Host: Prof. Ren-he XU Time: 14:30-15:30 Venue: E12-G003
17 Seminar Series RNA editing with CRISPR-Cas13 Speaker: David COX Host: Prof. Ren-he XU Time: 14:30-15:30 Venue: E12-G004	18	19	20 Macau SAR Establishment Day	21
24 Christmas Eve	25 Christmas Day	26 First working day after the winter solstice	27	28