

ACADEMIC ACTIVITIES

Seminar: Series #3

On 23 Jan, Dr. Xin LI from Department of Pathology of Stanford University delivered a seminar titled "Understanding the non-coding genome".

Dr. LI's work is focusing on exploring multi-omics data resources to build a comprehensive map of functional variation and their association with disease. He demonstrated that new computational approaches combining genomics and functional genomic data are of exceptional utility to unlock the non-coding genome.



Seminars: Series #4

On 26 Jan, Prof. Zonghai SHENG from Shenzhen Institutes of Advanced Technology of Chinese Academy of Sciences delivered a seminar titled "Crossing the blood-brain barrier strategies for glioma precision therapy".

Prof. SHENG introduced that the focused ultrasound combined with microbubble as a non-invasive technique can temporarily open blood-brain barrier (BBB) at a fixed site, revealing attractive application prospects for glioma therapy. He presented the current progresses on BBB opening, and discussed the ultrasound nanobiotechnology for crossing the BBB for glioma precision therapy.



Publications of the week

1. Goldenberg, J., Cipriani, V., Jackson, T., Arbuckle, K., Debono, J., Dashevsky, D., Panagides, N., Ikonopoulou, M., Koludarov, I., Li, B., Santana, R. C., Nouwens, A., Jones, A., Hay, C., Dunstan, N., Allen, L., Bush, B., Miles, J., Ge, L., Kwok, H. F., and Fry, B. (2018) Proteomic and functional variation within black snake venoms (Elapidae: Pseudechis). *Comp Biochem Physiol C: Toxicol Pharmacol*
2. Han, B. N., Liang, T. T., Keen, L. J., Fan, T. T., Zhang, X. D., Xu, L., Zhao, Q., Wang, S. P., and Lin, H. W. (2018) Two Marine Cyanobacterial Aplysiatoxin Polyketides, Neo-debromoaplysiatoxin A and B, with K(+) Channel Inhibition Activity. *Org Lett*
3. Meng, X. F., Fleury, M. J., Xiang, Y. T., Li, M. Z., and D'Arcy, C. (2018) Resilience and protective factors among people with a history of child maltreatment: a systematic review. *Soc Psych Psych Epid*
4. Park, J. W., Yang, J., and Xu, R. H. (2018) PAX6 alternative splicing and corneal development. *Stem Cells Dev*

Publications of the week

5. Perry, B. I., Kwok, H. F., Mendis, J., Purandare, K., Wijeratne, A., Manjubhashini, S., Dasari, M., Esan, F., Gunaratna, I., Naseem, R. A., Hoare, S., Chester, V., Roy, A., Devapriam, J., Alexander, R., and Cooray, S. E. (2018) Problem behaviours and psychotropic medication use in intellectual disability: a multinational cross-sectional survey. *J Intellect Disabil Res* 62, 140-149

6. Wang, Y. Y., Li, X. H., Zheng, W., Xu, Z. Y., Ng, C., Ungvari, G., Yuan, Z., and Xiang, Y. T. (2018) Mindfulness-based interventions for major depressive disorder: A comprehensive meta-analysis of randomized controlled trials. *J Affect Disord* 229, 429-436

7. Zhou, L. B., Jing, Y., Liu, Y. B., Liu, Z. H., Gao, D. Y., Chen, H. B., Song, W. Y., Wang, T., Fang, X. F., Qin, W. P., Yuan, Z., Dai, S., Qiao, Z. A., and Wu, C. F. (2018) Mesoporous Carbon Nanospheres as a Multifunctional Carrier for Cancer Theranostics. *Theranostics* 8, 663-675

VISITS AND EVENTS

The Faculty hosted a lab visit for a group of 32 delegates from East China Normal University and Fudan University today. The visitors comprised of teachers and undergraduate students from all disciplines invited by Cheong Kun Lun College (CKLC). The lab tour was conducted by Dr. Ada WONG and Ms. Cecilia FONG, whereas Mr. Joshua CAI introduced the details of the Animal Facility. CKLC Resident Fellow Mr. Johnny Chan coordinated the lab tour.

