

ACADEMIC ACTIVITIES

B-CAT meeting #15

On 18 Apr, Prof. Qi ZHAO gave his talk at B-CAT meeting entitled “Development of antibody based immunotherapy”.

Prof. ZHAO gave the presentation about the development of immunotherapy. He identified novel human monoclonal antibodies from antibody phage libraries, that can typically destroy tumor cells by utilizing mechanisms of an antibody-dependent cellular cytotoxicity (ADCC) or antibody-drug conjugation (ADC). By using these antibodies as vehicles, bispecific antibodies directed at tumor antigens and human CD3 can engage T cells to lyse tumors. Additionally, these antibodies can be reshaped to build CAR to redirect T cells.

Publications of the week

1. Di, L. J., Hao, D., Liu, J., Chen, M., Li, J., Wang, L., Wang, G., and Zhao, Q. (2018) Immunogenomic analyses of advanced serous ovarian cancer reveal immune score is a strong prognostic factor and an indicator of chemo-sensitivity. *Clin Cancer Res*
2. Leung, C. M., Lee, S., D, T. S. L., C, T. Y. Y., So, J., G, S. U., C, H. N., and Xiang, Y. T. (2018) Suicide after hospital contact for psychiatric assessment in Hong Kong: A long-term cohort study. *Psychiatry Res* 264, 266-269
3. Li, D. Z., Han, B. N., Wei, R., Yao, G. Y., Chen, Z., Liu, J., Poon, T. C. W., Su, W., Zhu, Z., Dimitrov, D. S., and Zhao, Q. (2018) N-terminal alpha-amino group modification of antibodies using a site-selective click chemistry method. *Mabs-Austin*
4. Wang, Y. Y., Feng, Y., Xu, D. D., Huang, W., Chow, I. H. I., Ng, C. H., Ungvari, G. S., Yuan, Z., Wang, G., and Xiang, Y. T. (2018) The development and validation of a short version of the 33-item Hypomania Checklist (HCL-33). *J Affect Disord* 235, 206-210
5. Pun, S. H., Yu, Y., Zhang, J., Wang, J., Cheng, C. H., Lei, K. F., Yuan, Z., Mak, P. U. (2018) Monolithic Multiband CMUTs for Photoacoustic Computed Tomography With In Vivo Biological Tissue Imaging. *IEEE Trans Ultrason Ferroelectr Freq Control* 65(3):465-475

OTHER NOTIFICATIONS

5th Macau Symposium on Biomedical Sciences 2018

The 5th Macau Symposium on Biomedical Sciences 2018 is approaching. It will be held from 8 - 9 June 2018. This year, the theme of the symposium is PRECISION. Ada Yonath, Nobel Laureate in Chemistry 2009, and Douglas Lowy, the receiver of the 2017 Lasker-DeBakey Clinical Medical Research Award have been invited as keynote speakers.

The symposium is calling for posters submission now. For details, please refer to the related information posted on the website: <https://msbs2018.fhs.umac.mo/>.

Prof. XU's group won an entrepreneurship competition

After four rounds of fierce competition, Prof. XU's group won the first prize in the Bank of China Trophy One Million Dollar Macao Regional Entrepreneurship Competition among 48 teams. His group also received the best elevator pitch award in the competition. The three runners-up will advance to the grand final for the prize of RMB 1 million and a possible financial support up to RMB 50 million.

