

## 2023年度医学研究院论文集选（按发表时间排序）

1. Guo, Y., Zhang, X.N., Su, S., Ruan, Z.L., **Hu, M.M.\***, **Shu, H.B.\*** (2023). Beta-adrenoreceptor-triggered PKA activation negatively regulates the innate antiviral response. **Cell Mol Immunol** 20, 175-188.（胡明明、舒红兵）
2. Zhang, H. X.<sup>#</sup>, Zhang, C.<sup>#</sup>, Lu, S., Tong, X., Zhang, K., **Yin, H.\***, **Zhang, Y.\*** (2023). Cas12a-based one-pot SNP detection with high accuracy. **Cell Insight**, 2, 100080.（殷昊、张楹）
3. Guo, H.<sup>#</sup>, Xu, J.<sup>#</sup>, Xing, P.<sup>#</sup>, Li, Q., Wang, D., Tang, C., Palhais, B., Roels, J., Liu, J., Pan, S., Huang, J., Liu, Z., Zhu, P., Taghon, T., Qing, G., Van Vlierberghe, P.<sup>\*</sup>, **Liu, H.\*** (2023). RNA helicase DHX15 exemplifies a unique dependency in acute leukemia. **Haematologica** 108, 2029-2043.（刘胡丹）
4. Wu, C.<sup>#</sup>, Xie, T.<sup>#</sup>, Guo, Y., Wang, D., Qiu, M., Han, R., Qing, G., Liang, K., and **Liu, H.\*** (2023). CDK13 phosphorylates the translation machinery and promotes tumorigenic protein synthesis. **Oncogene** 42, 1321-1330.（刘胡丹）
5. Yan, C., Meng, Y., Yang, J., Chen, J.<sup>\*</sup> **Jiang, W.\*** (2023). Translational landscape in human early neural fate determination. **Development** 150, dev201177.（蒋卫）
6. Zhang, T.<sup>#</sup>, Cui, M.<sup>#</sup>, Li, Y., Cheng, Y., Gao, Z., Wang, J., Zhang, T., Han, G., Yin, R., Wang, P., Tian, W., Liu, W., Hu, J., Wang, Y., Liu, Z.<sup>\*</sup>, **Zhang, H.\*** (2023). Pax transactivation domain-interacting protein is required for preserving hematopoietic stem cell quiescence via regulating lysosomal activity. **Haematologica** 108, 2410–2421.（张好建）
7. **Jiang, B.**, Weinstock, D.M., Donovan, K.A., Sun, H.W., Wolfe, A., Amaka, S., Donaldson, N.L., Wu, G., Jiang, Y., Wilcox, R.A., Fischer, E. S., Gray, N. S<sup>\*</sup>, Wu, W<sup>\*</sup>. (2023). ITK degradation to block T cell receptor signaling and overcome therapeutic resistance in T cell lymphomas. **Cell Chem Biol** 30, 383–393.e6.（蒋白山）
8. Liang, J.<sup>#</sup>, Wu, Y.<sup>#</sup>, Lan, K., Dong, C., Wu, S.<sup>\*</sup>, **Li, S.\***, **Zhou, H.B.\*** (2023). Antiviral PROTACs: Opportunity borne with challenge. **Cell Insight**, 2, 100092.（李姝、周海兵）

9. Guo, C., Liu, Z.\* , **Zhang, H.\*** (2023). DNA 6mA demethylase ALKBH1 regulates DDX18 expression to promote proliferation of human head and neck squamous cell carcinoma. **Cell Oncol (Dordr)** 46, 1097–1111. (张好建)
10. Wang, D.#, Yin, Z.#, Wang, H.#, Wang, L., Li, T., Xiao, R., Xie, T., Han, R., Dong, R., **Liu, H.\***, Liang, K.\* , **Qing, G.\*** (2023). The super elongation complex drives transcriptional addiction in *MYCN*-amplified neuroblastoma. **Sci Adv** 9, eadf0005. (刘胡丹、卿国良)
11. Tian, X., Zhou, Y., Wang, S., Gao, M., Xia, Y., Li, Y., Zhong, Y., Xu, W., Bai, L., Fu, B., Zhou, Y., Lee, H. R., Deng, H., Lan, K., Feng, P., **Zhang, J.\*** (2023). Genome-Wide CRISPR-Cas9 Screen Identifies SMCHD1 as a Restriction Factor for Herpesviruses. **mBio** 14, e0054923. (张军杰)
12. Guan, C., Hua, S., **Jiang, K.\*** (2023). The CEP170B-KIF2A complex destabilizes microtubule minus ends to generate polarized microtubule network. **EMBO J** 42, e112953. (姜恺)
13. Yu, K., Guo, Y.Y., Liuyu, T., Wang, P., Zhang, Z.D., Lin, D.\* , **Zhong, B.\*** (2023). The deubiquitinase OTUD4 inhibits the expression of antimicrobial peptides in Paneth cells to support intestinal inflammation and bacterial infection. **Cell Insight** 2, 100100. (钟波)
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15. Zhou, Y., Liao, H., Pei, L., **Pu, Y.\*** (2023). Combatting persister cells: The daunting task in post-antibiotics era. **Cell Insight** 2, 100104. (普颖颖)
16. Xie, J., Wang, S., Zhong, Y., Gao, M., Tian, X., Zhang, L., Pan, D., Qin, Q., Wu, B., Lan, K., **Sun, Z. J.\***, **Zhang, J.\*** (2023). Oncolytic herpes simplex virus armed with a bacterial GBP1 degrader improves antitumor activity. **Mol Ther Oncolytics**, 29, 61–76. (孙志军、张军杰)
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18. Yi, J.<sup>#</sup>, Lei, X.<sup>#</sup>, Guo, F.<sup>#</sup>, Chen, Q.<sup>#</sup>, Chen, X., Zhao, K., Zhu, C., Cheng, X., Lin, J.\*, **Yin, H.\***, Xia, Y.\* (2023). Co-delivery of Cas9 mRNA and guide RNAs edits hepatitis B virus episomal and integration DNA in mouse and tree shrew models. **Antiviral Res** 215, 105618. (殷昊)
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  21. Xiao, X.<sup>#</sup>, Shi, J.<sup>#</sup>, He, C.<sup>#</sup>, Bu, X., Sun, Y., Gao, M., Xiang, B., Xiong, W., Dai, P., Mao, Q., Xing, X., Yao, Y., Yu, H., Xu, G., Li, S., Ren, Y., Chen, B., Jiang, C., Meng, G., Lee, Y.R., Wei, W., Freeman, G.J., Xie, C.H.\*, **Zhang, J.\*** (2023). ERK and USP5 govern PD-1 homeostasis via deubiquitination to modulate tumor immunotherapy. **Nat Commun** 14, 2859. (张金方)
  22. Xiong, J., Yan, C., Zhang, Q.\*, **Zhang, J.\*** (2023). Alpha-ketoglutarate-dependent enzymes in breast cancer and therapeutic implications. **Endocrinology** 164, bqad080. (张静)
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  27. Wang, P.<sup>#</sup>, Wang, J.<sup>#</sup>, Yao, S., Cui, M., Cheng, Y., Liu, W., Gao, Z., Hu, J., Zhang, J., **Zhang, H.\*** (2023). Deubiquitinase USP9X stabilizes RNA m<sup>6</sup>A demethylase ALKBH5 and promotes acute myeloid leukemia cell survival. **J Biol Chem** 299, 105055. (张好建)
  28. Yi, Y., Lan, X., Li, Y., Yan, C., Lv, J., Zhang, T., **Jiang, W.\*** (2023). Fatty acid synthesis and oxidation regulate human endoderm differentiation by mediating SMAD3 nuclear localization via acetylation. **Dev Cell** 58, 1670–1687.e4. (蒋卫)
  29. An, J.<sup>#</sup>, Zhang, C.P.<sup>#</sup>, Qiu, H.Y.<sup>#</sup>, Zhang, H.X.<sup>#</sup>, Chen, Q.B., Zhang, Y.M., Lei, X.L., Zhang, C.X., **Yin, H.\***, **Zhang, Y.\*** (2023). Enhancement of the viability of T cells electroporated with DNA via osmotic dampening of the DNA-sensing cGAS-STING pathway. **Nat Biomed Eng** 10.1038/s41551-023-01073-7. (殷昊、张楹)
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