

一、项目名称

基于蛋白降解失衡的肿瘤调控新机制及其靶点研究

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五、代表性论文（专著）目录

- 1) Meidan Ying, Xuejing Shao, Hui Jing, Yujia Liu, Xiaotian Qi, Ji Cao, Yingqian Chen, Senfeng Xiang, Hua Song, Ronggui Hu, Guoqing Wei, Bo Yang*, Qiaojun He*. Ubiquitin-dependent Degradation of CDK2 Drives the Therapeutic Differentiation of AML by Targeting PRDX2. *Blood*. 2018 131:2698-2711.
- 2) Zhengzhao Liu, Peng Chen, Hong Gao, Yu Gu, Jiao Yang, Hong Peng, Xingxing Xu, Haifeng Wang, Meiqiang Yang, Xiaoying Liu, Libin Fan, Shiyao Chen, Jian Zhou, Yihong Sun, Kangchen Ruan, Shuqun Cheng, Masaaki Komatsu, Eileen White, Lin Li, Hongbin Ji, Daniel Finley, and Ronggui Hu*. Ubiquitylation of Autophagy Receptor Optineurin by HACE1 Activates Selective Autophagy for Tumor Suppression. *Cancer Cell*. 2014 Jul. 26(1):106-20.
- 3) Ji Cao[#], Xiaobing Chen[#], Bin Lu, Li Jiang, Meng Yuan, Hong Zhu, Qiaojun He, Bo Yang, Meidan Ying*. DJ-1 Suppresses Ferroptosis through preserving the activity of S-adenosyl Homocysteine Hydrolase. *Nature Communications*. 2020 Mar 6;11(1):1251.

- 4) Hong Zhu, Fangjie Yan, Tao Yuan, Meijia Qian, Tianyi Zhou, Xiaoyang Dai, Ji Cao, Meidan Ying, Xiaowu Dong, Qiaojun He*, Bo Yang*. USP10 Promotes Proliferation of Hepatocellular Carcinoma by Deubiquitinating and Stabilizing YAP/TAZ. *Cancer Research*. 2020 Jun 1;80(11):2204-2216.
- 5) Hong Peng[#], Jiao Yang[#], Guangyi Li, Qing You, Wen Han, Byung-Hoon Lee, Juan Du, Jian Hou, Tao Zhang, Hai Rao, Ying Huang, Qinrun Li, Rong Zeng, Qin Xia, Xuemin Zhang, Yongning He, Masaaki Komatsu, Ivan Dikic, Daniel Finley, Ronggui Hu*. Ubiquitylation of p62/Sequestosome1 Activates Its Autophagy Receptor Function and Controls Selective Autophagy Upon Ubiquitin Stress. *Cell Research*. 2017.27(5): 657-74.