

Yao Xiao Jun



Position : Professor

Faculty: Dr. Neher's Biophysics Laboratory for
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Teaching Modules:

Fundamental Chemistry, Fundamental Chemistry Laboratory, Pharmaceutical Fundamental Chemistry, Pharmaceutical Fundamental Chemistry Laboratory

Research Areas:

Computer-aided drug design, bioinformatics and computational biology, chemoinformatics and chemometrics.

Education:

1998.7 B.Sc. in Chemistry, Lanzhou University

2003.7 Ph.D. in Analytical Chemistry, Lanzhou University

2004.12 Ph. D. in Chemoinformatics and Theoretical Chemistry, University Paris 7-Denis
Diderot, France

Working Experience:

2005.1- Professor, College of Chemistry and Chemical Engineering, Lanzhou University

2013.9- Professor, Macau Institute for Applied Research in Medicine and Health, State Key
Laboratory for Quality Research in Chinese Medicines Macau University of Science and
Technology

Publications:

1. Osama A, Zhang J, Yao J, Yao X*, Fang J*. Nrf2: a dark horse in Alzheimer's disease treatment. *Ageing Res Rev.* 2020, 64:101206. doi:10.1016/j.arr.2020.101206.
2. Lai HL, Fan XX, Li RZ, Wang YW, Zhang J, Liu L, Neher E*, Yao XJ*, Leung EL*. Roles of Ion Fluxes, Metabolism, and Redox Balance in Cancer Therapy. *Antioxid Redox Signal.* 2020, doi: 10.1089/ars.2020.8125.
3. Wang WJ, Mao LF, Lai HL, Wang YW, Jiang ZB, Li W, Huang JM, Xie YJ, Xu C, Liu P, Li YM*, Leung ELH*, Yao XJ*. Dolutegravir derivative inhibits proliferation and induces apoptosis of non-small cell lung cancer cells via calcium signaling pathway. *Pharmacol Res.* 2020, 161:105129.
4. Leung EL, Luo LX, Li Y, Liu ZQ, Li LL, Shi DF, Xie Y, Huang M, Lu LL, Duan FG, Huang JM, Fan XX, Yuan ZW, Ding J, Yao XJ*, Ward DC*, Liu L* Identification of a new inhibitor of KRAS-PDE δ interaction targeting KRAS mutant nonsmall cell lung cancer. *Int J Cancer.* 2019, 145:1334-1345.
5. Leung ELH, Luo LX, Liu ZQ, Wong VKW, Lu LL, Xie Y, Zhang N, Qu YQ, Fan XX, Li Y, Huang M, Xiao DK, Huang J, Zhou YL, He JX, Ding J, Yao XJ*, Ward DC*, Liu L*. Inhibition of KRAS-dependent lung cancer cell growth by deltarasin: blockage of autophagy increases its cytotoxicity. *Cell Death Dis.* 2018, 9:216.