刘卓琦　博士

副教授

基础医学院生物化学与分子生物学教研室教师

- **教育和工作背景:**

受教育经历:

2009-09 至 2016-07，南昌大学，内科学专业，博士

2003-09 至 2006-06，江西医学院，生物化学与分子生物学专业，硕士

1996-09 至 2001-06，江西医学院，临床医学系，学士

工作经历:

2007-06 至今，南昌大学，基础医学院生物化学与分子生物学教研室，讲师

2001-2007，南昌大学，基础医学院生物化学与分子生物学教研室，助教

- **研究兴趣、领域:**

课题组主要致力于肿瘤表观遗传学、肿瘤免疫代谢相关研究。发表学术论文 30 余篇；主持国家自然科学基金 1 项，省科技厅项目 1 项, 省教育厅项目 1 项。

- **学术兼职:**

无

- **主要成果、荣誉、奖励:**

1、Lu C, **Liu Z**, Klement JD, Yang D, Merting AD, Poschel D, Albers T, Waller JL,Shi H, Liu K. WDR5-H3K4me3 epigenetic axis regulates OPN expression to compensate PD-L1 function to promote pancreatic cancer immune escape. J Immunother Cancer. 2021 Jul;9(7):e002624.

2、Ding ZC, Shi H, Aboelella NS, Fesenkova K, Park EJ, **Liu Z**, Pei L, Li J, McIndoe RA, Xu H, Piazza GA, Blazar BR, Munn DH, Zhou G. Persistent STAT5 activation reprograms the epigenetic landscape in $CD4^{+}$ T cells to drive

polyfunctionality and antitumor immunity. Sci Immunol. 2020 Oct30;5(52):eaba5962.

3、Wang C, Cao M, Jiang X, Yao Y, **Liu Z*,** Luo D*. Macrophage balance fraction determines the degree of immunosuppression and metastatic ability of breast cancer. Int Immunopharmacol. 2021 Aug;97:107682.

4、Liu Q, Zhang H, Jiang X, Qian C, **Liu Z***, Luo D*. Factors involved in cancer metastasis: a better understanding to "seed and soil" hypothesis. Mol Cancer. 2017 Dec 2;16(1):176.

5、Jiang X, Hu S, Liu Q, Qian C, **Liu Z**, Luo D*. Exosomal microRNA remodels the tumor microenvironment. PeerJ. 2017 Dec 22;5:e4196.

6、Smith AD, Lu C, Payne D, Paschall AV, Klement JD, Redd PS, Ibrahim ML, Yang D, Han Q, **Liu Z,** Shi H, Hartney TJ, Nayak-Kapoor A, Liu K. Autocrine IL6-Mediated Activation of the STAT3-DNMT Axis Silences the TNFα-RIP1 Necroptosis Pathway to Sustain Survival and Accumulation of Myeloid-Derived Suppressor Cells. Cancer Res. 2020 Aug 1;80(15):3145-3156. doi:10.1158/0008-5472.CAN-19-3670.

7、Wang P, Liu J, Song Y, Liu Q, Wang C, Qian C, Zhang S, Zhu W, Yang X, Wan F,**Liu Z***, Luo D*. Screening of immunosuppressive factors for biomarkers of breast cancer malignancy phenotypes and subtype-specific targeted therapy. PeerJ. 2019 Jun 27;7:e7197.

8、**Liu Z**, Xia Y, Zhang X, Liu L, Tu S, Zhu W, Yu L, Wan H, Yu B, Wan F. Roles of the MST1-JNK signaling pathway in apoptosis of colorectal cancer cells induced by Taurine. Libyan J Med. 2018 Dec;13(1):1500346.

9、Liu Q, Yin X, Li M, Wan L, Liu L, Zhong X, **Liu Z***, Wang Q*. Identification of potential crucial genes and pathways associated with vein graft restenosis based on gene expression analysis in experimental rabbits. PeerJ. 2018 May 16;6: e4704.

10、Lu C, Yang D, Klement JD, Colson YL, Oberlies NH, Pearce CJ, Colby AH, Grinstaff MW, **Liu Z**, Shi H, Ding HF, Liu K. H3K9me3 represses G6PD expression to suppress the pentose phosphate pathway and ROS production to promote human mesothelioma growth. Oncogene. 2022 Apr;41(18):2651-2662.

- **联系方式：**

电话：18970949577

E-mail: liuzhuoqi@ncu.edu.cn，lzq-nc@163.com