



刘卓琦 博士

副教授

● **教育和工作背景:**

2001 年，江西医学院，临床医学，医学学士；

2006 年，南昌大学，生物化学与分子生物学，硕士

2016 年，南昌大学，内科学，博士

● **研究兴趣、领域:**

课题组专注于肿瘤表观遗传学的前沿研究，以临床疾病诊治过程中的关键问题为研究靶向，利用生物信息学技术对高通量数据进行深入挖掘，寻找应用于临床诊疗的疾病分子标志物, 为精准医疗提供了新方向。

目前，课题组的研究方向主要包括以下几个核心领域：

1. 肿瘤转移分子标志物的筛选：识别与肿瘤侵袭和转移过程密切相关的分子靶点；
2. 疾病相关基因的表观遗传学修饰：研究基因表达调控中的表观遗传学变化，探讨其在疾病发生发展中的临床意义；
3. 肿瘤代谢重编程：解析肿瘤细胞如何通过代谢途径的调整来适应快速增殖的需求，以及肿瘤代谢物对肿瘤进展的作用；
4. 个性化诊疗策略的探索：基于个体基因组和表观基因组的特征，开发个性化的疾病预防、诊断和治疗方案。

● **学术兼职:**

无

● **主要成果、荣誉、奖励（代表性即可，原则上不超过 10 项）:**

近五年发表的代表性论著

(1) Xiong S, Zhu W, Wu L, Zhou T, Wang W, Zhang O, Xiong X, **Liu Z**, Luo D. Circadian pattern subtyping unveiling distinct immune landscapes in breast cancer patients for better immunotherapy. *Cancer Immunol Immunother.* 2023 Oct;72(10):3293-3307.

(2) Chao Wang; Minghua Cao; Xiaoli Jiang; Yudi Yao; **Zhuoqi Liu**; Daya Luo ; Macrophage balance fraction determines the degree of immunosuppression and metastatic ability of breast cancer, *International Immunopharmacology*, 2021, 97 (期刊论文)

(3) Chunwan Lu; **Zhuoqi Liu**; John D Klement; Dafeng Yang; Alyssa D Merting; Dakota Poschel; Thomas Albers; Jennifer L Waller; Huidong Shi; Kebin Liu ; WDR5-H3K4me3 epigenetic axis regulates OPN expression to compensate PD-L1 function to promote pancreatic cancer immune escape, *Journal Immunother Cancer*, 2021.9, 2021(9) (期刊论文)

(4) Ding ZC, Shi H, Aboeella 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 Oct 30;5(52):eaba5962.

(5) 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 TNF α -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

(6) Qiang Liu; Hongfei Zhang; Xiaoli Jiang; Caiyun Qian; **Zhuoqi Liu**; Daya Luo ; Factors involved in cancer metastasis: a better understanding to “seed and soil” hypothesis, *Molecular Cancer*, 2017, 16(176) (期刊论文)

(7) Ping Wang; Jiaxuan Liu; Yunlei Song; Qiang Liu; Chao Wang; Caiyun Qian; Shuhua Zhang; Weifeng Zhu; Xiaohong Yang; Fusheng Wan; **Zhuoqi Liu**; Daya Luo ; Screening of immunosuppressive factors for biomarkers of breast cancer malignancy phenotypes and subtype-specific targeted therapy, *PeerJ*, 2019, 7: 0-e7197 (期刊论文)

● **联系方式:**

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