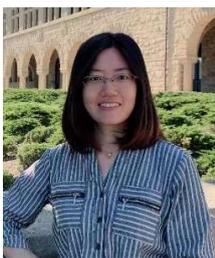


中西医硕博导师简介

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<p>主要研究方向:</p> <ol style="list-style-type: none"> 1) 肾藏象理论的方药基础及应用研究 2) 抗肿瘤中药药效物质及作用机制研究 3) 认知障碍相关中药药效物质及作用机制研究 						
<p>教学工作:</p> <p>主讲中药学, 中医药与细胞生物学课程</p>						

主要科研成果:

构建了补肾中药调控骨重建的药效评价新体系及新方法, 并发现补肾中药作用物质新机制。

相关工作获得辽宁省科技进步二等奖 1 项, 辽宁省中西医结合学会科技奖励二等奖 1 项。

主要学术论著:

1. Dong P, Zhu D, Deng X, Zhang Y, Ma J, Sun X, **Liu Y***. Effect of hydroxyapatite nanoparticles and wedelolactone on osteoblastogenesis from bone marrow mesenchymal stem cells. *J Biomed Mater Res A*. 2019 ; 107 (1): 145 – 153.
2. Ma H-P, Deng X, Chen D-Y, Zhu D, Tong J-L, Zhao T, Ma J-H, **Liu Y-Q***. A microfluidic chip-based co-culture of fibroblast-like synoviocytes with osteoblasts and osteoclasts to test bone erosion and drug evaluation. *Royal Society Open Science*, 2018, 5(9):180528.
3. Deng, Xue; Liang, Li-Na; Zhu, Di; Zheng, Lu-Ping; Yu, Jing-Hua; Meng, Xiang-ling; Zhao, Yi-Ning; Sun, Xiao-Xin; Pan, Tao-Wen; **Liu, Yan-Qiu***. Wedelolactone inhibits osteoclastogenesis but enhances osteoblastogenesis through altering different semaphorins production. *International Immunopharmacology* 2018 ; 60: 41 -49.
4. Xue Deng, Lu-Ping Zheng, Zhen-Qiang Mu, Rui Lai, Guo-Ping Niu, Liang-Ping Tu, Di Zhu, **Yan-Qiu Liu***. The inhibitory effect of Aconiti Sinomontani Radix extracts on the proliferation and migration of human synovial fibroblast cell line SW982. *J Ethnopharmacol*, 2018, 213: 321-327.
5. Zhu, Di; Deng, Xue; Han, Xiao-Fei; Sun, Xiao-Xin; Pan, Tao-Wen; Zheng, Lu-Ping; **Liu, Yan-Qiu***. Wedelolactone Enhances Osteoblastogenesis through ERK- and JNK-mediated BMP2 Expression and Smad/1/5/8 Phosphorylation. *MOLECULES* , 2018, MAR ; 23 (3): pii: E561. doi: 10.3390/molecules23030561.
6. Yuan XY, Wang M, Lei S, Yang QX*, **Liu YQ***. Rapid screening of active components with an osteoclastic inhibitory effect in *Herba epimedii* using quantitative pattern–activity relationships based on joint-action models. *Molecules*. 2017, 22(10): 1767.

7. Xue Deng, **Yan-Qiu Liu** *. Wedelolactone exerts double protection for bones through enhancing osteoblastogenesis but inhibiting osteoclastogenesis. *Musculoskelet Regen.* 2016, 2: e1464.
8. Liu Y-Q*, Han X-F, Bo J-X and Ma H-P. Wedelolactone Enhances Osteoblastogenesis but Inhibits Osteoclastogenesis through Sema3A/NRP1/PlexinA1 Pathway. **Front. Pharmacol.** 2016, 7: 375. doi: 10.3389/fphar.2016.00375
9. **Liu YQ***, Hong ZL, Zhan LB, Chu HY, Zhang XZ, Li GH. Wedelolactone enhances osteoblastogenesis by regulating Wnt/ β -catenin signaling pathway but suppresses osteoclastogenesis by NF- κ B/c-fos/NFATc1 pathway. **Sci Rep.** 2016 Aug 25;6:32260. doi: 10.1038/srep32260.
10. **Yan-Qiu Liu**, Li-Bin Zhan, Ting-ting Bi, Li-Na Liang, Xiao-xin Sun, Hua Sui. Neural stem cell neural differentiation in 3D extracellular matrix and endoplasmic reticulum stress microenvironment. *RSC Advances.* 2016, 6 (41): 34959-34969.

主持的主要在研项目：

- 1、辽宁省自然科学基金，20180550417，器官芯片技术用于二至丸抗骨质疏松的配伍机制研究。
- 2、辽宁省高等学校创新人才项目，LR2017050，肾藏象理论的方药基础研究，
- 3、企业横向课题，4种中药提取物对骨密度影响的药效学研究。