

秦鑫 副研究员

教育经历:

2004.09-2007.07	第四军医大学`生物化学与分子生物学专业	医学博士
2001.09-2004.07	第四军医大学 生物化学与分子生物学专业	医学硕士
1997.09-2001.07	华中农业大学 生命科学技术学院微生物专业	理学学士

工作经历

2007.06-2013.06	第四军医大学药学系生物制药学教研室	讲 师
2009.06-2011.09	美国南阿拉巴马大学和美国波士顿大学医学院	博士后

科研项目

负责项目

1. Foxp3 通过 UXT 抑制乳腺癌增殖的分子机制，国家自然科学基金，（2011.01-2013.12，排名 1）

参与项目

- 1.肿瘤血管导向性干扰素 IFN- α 2a-NGR 信号转导通路抗肿瘤效应关系的研究，国家自然科学基金（2006.01-2008.12，排名 4）
- 2.靶向胃癌细胞的肿瘤特异性补体活化因子 tsCAF 的鉴定，国家自然科学基金（2010.01-2012.12，排名 3）
- 3.基于 MUC1 靶标的增强型复合纳米探针研制及其在乳腺癌分子诊断中的应用，国家自然科学基金（2011.01-2013.12，排名 4）
- 4.肿瘤内源性 GDF-15 通过与 DC 相互作用诱导肿瘤免疫逃逸的机制研究，国家自然科学基金（2012.01-2015.12，排名 4）

发表论文

1. **Xin Q**, Cun Z, Xiaochang X, Meng L, Weina L, Qiang H, Yingqi Z, Zhen Y, Wei Z. Identification of a novel peptide ligand of human transferrin receptor 1 for targeted tumor delivery drug. *Protein Pept Lett*. 2013;20,96-101.
2. Zhang L*, **Xin Q*** (*Co-first author), Zhao Y, Fast L, Zhuang S, Liu P, Cheng G, Zhao TC. Inhibition of histone deacetylases preserves myocardial performance and prevents cardiac remodeling through stimulation of endogenous angiomyogenesis. *J Pharmacol Exp Ther*. 2012 ;341(1):285-93 (**cover story and highlight paper of the same edition**)
3. **Xin Qin**, Yi Wan, Meng Li, Xiaochang Xue, Shouzhen Wu Chun Zhang, Yanjie You, Weihua Wang, Changli Giang, Yan Liu, Wenhua Zhu, Yonggang Ran, Zhen Zhang, Wei Han, Yingqi Zhang. Identification of a novel peptide ligand of human vascular endothelia growth factor receptor 3 for targeted tumor diagnosis and therapy. *Journal of Biochemistry*. 2007; 142(1): 79-85
4. 秦鑫, 赵宁, 张英起, 颜真. 人转铁蛋白受体结合肽的噬菌体肽库筛选与鉴定. *第四军医大学学报*. 2004; 25(12):1117-11193
5. 秦鑫, 张英起, 颜真. 穿越血脑屏障. *生命的化学*. 2003; 3:222-224.
6. Xue XC, Yan Z, Li WN, Li M, **Qin X**, Zhang C, Hao Q, Wang ZL, Zhao N, Zhang W, Zhang YQ. Construction, expression, and characterization of thymosin alpha 1 tandem repeats in *Escherichia coli*. *Biomed Res Int*. 2013; 2013 Feb 28.
7. Wu K, Xue X, Li M, **Qin X**, Zhang C, Li W, Hao Q, Wang Z, Liu Q, Zhang W, Zhang Y. High level expression, purification and characterization of recombinant CCR5 as a vaccine candidate against HIV. *Protein Expr Purif*. 2013 Jun;89(2):124-30. doi: 10.1016/j.pep.2013.03.008. Epub 2013 Mar 29.
8. Hao Q, Li W, Zhang C, **Qin X**, Xue X, Li M, Shu Z, Xu T, Xu Y, Wang W, Zhang W, Zhang Y. TNF α induced FOXP3-NF κ B interaction dampens the tumor suppressor

role of FOXP3 in gastric cancer cells. *Biochem Biophys Res Commun*. 2013 Jan 4;430(1):436-41. doi: 10.1016/j.bbrc.2012.11.039. Epub 2012 Nov 22.

9. Li M, Xu T, Zhang Z, Xue X, Zhang C, **Qin X**, Li W, Hao Q, Zhang W, Zhang Y. Phase II multicenter, randomized, double-blind study of recombinant mutated human tumor necrosis factor- α in combination with chemotherapies in cancer patients. *Cancer Sci*. 2012;103(2):288-95

10. Chen HP, Denicola M, **Qin X**, Zhao Y, Zhang L, Long XL, Zhuang S, Liu PY, Zhao TC. HDAC inhibition promotes cardiogenesis and the survival of embryonic stem cells through proteasome-dependent pathway. *J Cell Biochem*. 2011; 112(11): 3246-55.

11. Li M, **Qin X**, Xue X, Zhang C, Yan Z, Han W, Komarck C, Wang TD, Zhang Y. Safety evaluation and pharmacokinetics of a novel human tumor necrosis factor- α exhibited a higher antitumor activity and a lower systemic toxicity. *Anticancer Drugs*. 2010; 21(3):243-51.

12. Xu YJ, Jiang CL, Zhang C, **Qin X**, Li M, Hao Q, Li WN, Zhang W, Zhang YQ. 酵母双杂交筛选与Foxp3Delta2相互作用的蛋白. *细胞与分子免疫学杂志*. 2010; 26(7):642-5.

13. Wan Y, Yuan S, Xue X, Li M, **Qin X**, Zhang C, Wang W, Jiang C, Wu S, Liu Y, Zhu W, Ran Y, Zhang Z, Han W, Zhang Y. The preventive effect of adjuvant-free administration of TNF-PADRE autovaccine on collagen-II-induced rheumatoid arthritis in mice. *Cell Immunol*. 2009; 258(1):72-7.

14. Wu SZ, Chen SL, He LQ, Zhang K, Tang L, **Qin X**, Zhang YQ. Effect of Myostatin gene vaccine on immunized mice. *细胞与分子免疫学杂志*. 2009;25(4):319-21, 324.

15. Cun Zhang, Shouzhen Wu, Weihua Wang, Xiaochang Xue, Meng Li, **Xin Qin**, Weina Li, Wei Han, Yingqi Zhang. Anti-tumor immunotherapy by blockade of PD-1/PD-L1 pathway with recombinant human programmed death-1-IgV. *Cytotherapy*. 2008; 10(7):711-9

16. You Y, Xue X, Li M, **Qin X**, Zhang C, Wang W, Jiang C, Wu S, Liu Y, Zhu W, Ran Y, Zhang Z, Han W, Zhang Y. Inhibition effect of pcDNA-tum-5 on the growth of S180 tumor. *Cytotechnology*. 2008; 56(2):97-104.
17. Xue X, Feng G, Li M, **Qin X**, Wu S, Zhang C, You Y, Wang W, Jiang C, Liu Y, Zhu W, Ran Y, Zhang Z, Yan Z, Han W, Zhang Y. Amelioration of experimental autoimmune encephalomyelitis by BLYS autovaccine. *Vaccine*. 2008; 26(23):2873-81.
18. Yi Wan, Xiaochang Xue, Meng Li, Xiaoyong Zhang, **Xin Qin**, Chun Zhang, Yanjie You, Weihua Wang, Changli Jiang, Shouzhen Wu, Yan Liu, Wenhua Zhu, Yonggang Ran, Zhen Zhang, Wei Han, Yingqi Zhang. Prepared and screened a modified TNF- α molecule as TNF- α autovaccine to treat LPS induced endotoxic shock and TNF induced cachexia in mouse. *Cell Immunol*. 2007; 246(2):55-64.
19. J.Meng, Z.Yan, X.Xue, Q.Hao, Y.Wan, **X.Qin**, C.Zhang, Y.You, W.Han, Y.Zhang. High-yield expression, purification and characterization of tumor-targeted IFN- α 2a. *Cytotherapy*. 2007; 9(1):60-8.

参编书籍

1. 秦鑫. 肿瘤研究前沿. 第4卷/樊代明主编. 西安: 西安交通大学出版社, 2004.12:256-272
2. 秦鑫. 蛋白质研究技术. 颜真, 张英起主编. 西安: 第四军医大学出版社, 2007.1: 99-107
3. 秦鑫. 医学精品讲座(第一辑). 樊代明. 西安: 第四军医大学出版社, 2008.9

国际会议交流

1. Ling Zhang, **Xin Qin**, Loren Fast, Yu Zhao, Guangmao Cheng, Ting Zhao. Abstract 11017: Hdac Inhibition Elicits in vivo Endogenous Myocardial Regeneration Through C-Kit⁺ Cardiac Stem Cells in Infarcted Hearts. *Circulation*. 2011; 124: A11017 (American Heart Association Scientific Session, Orlando, Florida, USA, 2011, Nov, 12-16)
2. Ting Zhao; **Xin Qin**; Yu Zhao. Abstract 11147: NF-B P50 and Oct 3/4 Determine the Facilitation of C-Kit⁺ Cardiac Stem Cells Into Cardiac Commitments by Hdac Inhibition.

Circulation. 2011; 124: A11147 (American Heart Association Scientific Session, Orlando, Florida, USA, 2011,Nov,12-16)

3. **Xin Qin**, Ting Zhao. Specific inhibition of HDAC4 in c-kit+ cardiac stem cells promotes myocardial regeneration and improves cardiac function recovery following myocardial infarction. Symposium On Cardiovascular Regenerative Medicine, Natcher Conference Center, National Institutes of Health, Bethesda, Maryland, USA, 2011, Oct. 4-5

4. **Qin X**, Li M, Xue X, Yan Z, Han W and Zhang Y. Identification of a novel peptide ligand of human vascular endothelial growth factor receptor 3 for targeted tumor diagnosis and therapy. FEBS Journal. 2007; 274(Sup 1): 281p, 32nd Congress of the Federation-of-European-Biochemical-Societies (FEBS) (ISTP), Vienna, Austria, 2007, July

专利

1. 张英起, 吴守振, 王伟华, 韩苇, 包春杰, 薛晓畅, 李萌, **秦鑫**. 可溶性人程序性死亡蛋白-1-IgV 及其制备方法. 2011.02.02. 中国, ZL 2008 1 0017236.0

专业协会

1. 中国生物化学与分子生物学学会
2. 中国生理学学会
3. 美国临床肿瘤学协会