



科学研究

主要研究成果 — 历年发表论文

2013年	2012年	2011年	2010年	2009年	2008年	2007年	2006年	2005年	2004年	2003年	2002年
-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------	-------

- 研究特色
 - 重点研究方向
 - 主要研究成果
 - 最新成果
 - 代表性论文
 - 历年发表论文
 - 知产成果
- 基础研究部
 - 研究部简介
 - 研究组介绍
- 医学研究部
 - 研究部简介
 - 研究组介绍
- 转化研究体系
- 干细胞生物学重点实验室
- 所级科研基金

1. Fan Q, Tang T, Zhang X, **Dai K**. The role of CCAAT/enhancer binding protein (C/EBP) alpha in osteogenesis of C3H10T1/2 cells induced by BMP-2. *J Cell Mol Med*. 2009 Aug;13(8B):2489-505.
2. Wang ZQ, Si L, Tang Q, Lin D, Fu Z, Zhang J, Cui B, Zhu Y, Kong X, Deng M, Xia Y, Xu H, **Le W**, Hu L, **Kong X**. Gain-of-Function Mutation of KIT Ligand on Melanin Synthesis Causes Familial Progressive Hyperpigmentation. *Am J Hum Genet*. 2009 May;84(5):672-7.
3. Fu YF, Du TT, Dong M, Zhu KY, Jing CB, Zhang Y, Wang L, Fan HB, Chen Y, Jin Y, Yue GP, Chen SJ, Chen Z, Huang QH, Jing Q, Deng M, **Liu TX**. Mir-144 selectively regulates embryonic {alpha}-hemoglobin synthesis during primitive erythropoiesis. *Blood*. 2009 Feb 5;113(6):1340-9.
4. Wu XL, Gu MM, Huang L, Liu XS, Zhang HX, Ding XY, Xu JQ, Cui B, Wang L, Lu SY, Chen XY, Zhang HG, Huang W, Yuan WT, Yang JM, Gu Q, Fei J, Chen Z, Yuan ZM, **Wang ZG**. Multiple synostoses syndrome is due to a missense mutation in exon 2 of FGF9 gene. *Am J Hum Genet*. 2009 Jul;85(1):53-63.
5. Hu J, Liu YF, Wu CF, Xu F, Shen ZX, Zhu YM, Li JM, Tang W, Zhao WL, Wu W, Sun HP, Chen QS, Chen B, Zhou GB, Zelent A, Waxman S, Wang ZY, **Chen SJ**, **Chen Z**. Long-term efficacy and safety of all-trans retinoic acid/arsenic trioxide-based therapy in newly diagnosed acute promyelocytic leukemia. *Proc Natl Acad Sci U S A*. 2009 Mar 3;106(9):3342-7.
6. Tang Y, Luo X, Cui H, Ni X, Yuan M, Guo Y, Huang X, Zhou H, de Vries N, Tak PP, Chen S, **Shen N**. MicroRNA-146A contributes to abnormal activation of the type I interferon pathway in human lupus by targeting the key signaling proteins. *Arthritis Rheum*. 2009 Apr;60(4):1065-75.
7. Zheng W, Li R, Pan H, He D, Xu R, Guo TB, Guo Y, **Zhang JZ**. Role of osteopontin in induction of monocyte chemoattractant protein 1 and macrophage inflammatory protein 1beta through the NF-kappaB and MAPK pathways in rheumatoid arthritis. *Arthritis Rheum*. 2009 Jul;60(7):1957-65.
8. Ren G, Su J, Zhang L, Zhao X, Ling W, L'huillier A, Zhang J, Lu Y, Roberts AI, Ji W, Zhang H, Rabson AB, **Shi Y**. Species variation in the mechanisms of mesenchymal stem cell-mediated immunosuppression. *Stem Cells*. 2009 Aug;27(8):1954-62.
9. Li H, Wang B, Yang A, Lu R, Wang W, Zhou Y, Shi G, Kwon SW, Zhao Y, **Jin Y**. Ly-1 Antibody Reactive Clone Is an Important Nucleolar Protein for Control of Self-Renewal and Differentiation in Embryonic Stem Cells. *Stem Cells*. 2009 Mar 5;27(6):1244-1254.
10. Kong L, Sun L, Zhang H, Liu Q, Liu Y, Qin L, Shi G, Hu JH, Xu A, Sun YP, Li D, Shi YF, Zang JW, Zhu J, Chen Z, Wang ZG, **Ge BX**. An essential role for RIG-I in toll-like receptor-stimulated phagocytosis. *Cell Host Microbe*. 2009 Aug 20;6(2):150-61.
11. Li C, Zhou J, Shi G, Ma Y, Yang Y, Gu J, Yu H, Jin S, Wei Z, Chen F, **Jin Y**. Pluripotency can be rapidly and efficiently induced in human amniotic fluid-derived cells. *Hum Mol Genet*. 2009 Nov 15;18(22):4340-9.
12. Wei Y, Xiao Q, Zhang T, Mou Z, You J, **Ma WJ**. Differential regulation of mRNA stability controls the transient expression of genes encoding Drosophila antimicrobial peptide with distinct immune response characteristics. *Nucleic Acids Res*. 2009 Oct;37(19):6550-61.
13. Yin S, Wang P, Deng W, Zheng H, Hu L, Hurst LD, **Kong X**. Dosage compensation on the active X chromosome minimizes transcriptional noise of X-linked genes in mammals. *Genome Biol*. 2009 Jul 13;10(7):R74.
14. Zhang Z, Zhou L, Wang P, Liu Y, Chen X, Hu L, **Kong X**. Divergence of exonic splicing elements after gene duplication and the impact on gene structures. *Genome Biol*. 2009 Nov 2;10(11):R120.
15. Cao Y, Liu R, Jiang X, Lu J, Jiang J, Zhang C, Li X, **Ning G**. Nuclear-cytoplasmic shuttling of menin regulates nuclear translocation of {beta}-catenin. *Mol Cell Biol*. 2009 Oct;29(20):5477-87.

16. Huang Y, Jin X, Zhang X, Sun H, Tu J, Tang T, Chang J, **Dai K**. In vitro and in vivo evaluation of akermanite bioceramics for bone regeneration. *Biomaterials*. 2009 Oct;30(28):5041-8.
17. Tu J, Wang H, Li H, Dai K, Wang J, **Zhang X**. The in vivo bone formation by mesenchymal stem cells in zein scaffolds. *Biomaterials*. 2009 Sep;30(26):4369-76.
18. Jiao B, Wu CF, Liang Y, Chen HM, Xiong SM, Chen B, Shi JY, Wang YY, Wang JH, Chen Y, Li JM, Gu LJ, Tang JY, Shen ZX, Gu BW, Zhao WL, **Chen Z, Chen SJ**. AML1-ETO9a is correlated with C-KIT overexpression/mutations and indicates poor disease outcome in t(8;21) acute myeloid leukemia-M2. *Leukemia*. 2009 Sep;23(9):1598-604.
19. Chen C, Liu X, Wan B, **Zhang JZ**. Regulatory properties of copolymer I in Th17 differentiation by altering STAT3 phosphorylation. *J Immunol*. 2009 Jul 1;183(1):246-53.
20. Chen X, Fang L, Song S, Guo TB, Liu A, **Zhang JZ**. Thymic regulation of autoimmune disease by accelerated differentiation of Foxp3+ regulatory T cells through IL-7 signaling pathway. *J Immunol*. 2009 Nov 15;183(10):6135-44.
21. Zhong X, **Jin Y**. Critical roles of coactivator p300 in mouse embryonic stem cell differentiation and nanog expression. *J Biol Chem*. 2009 Apr 3;284(14):9168-75.
22. Gao F, Kwon SW, Zhao Y, **Jin Y**. PARP1 poly(ADP-ribosyl)ates Sox2 to control Sox2 protein levels and FGF4 expression during embryonic stem cell differentiation. *J Biol Chem*. 2009 Aug 14; 284(33):22263-73.
23. Li L, Zhang X, Yang D, Luo G, Chen S, **Le W**. Hypoxia increases Abeta generation by altering beta- and gamma-cleavage of APP. *Neurobiol Aging*. 2009 Jul;30(7):1091-8.
24. Zhang Z, Xin D, Wang P, Zhou L, Hu L, **Kong X**, Hurst LD. Noisy splicing, more than expression regulation, explains why some exons are subject to nonsense-mediated mRNA decay. *BMC Biol*. 2009 May 14; 7(1):23.
25. Li D, Tang T, Lu J, **Dai K**. Effects of flow shear stress and mass transport on the construction of a large-scale tissue-engineered bone in a perfusion bioreactor. *Tissue Eng Part A*. 2009 Oct;15(10):2773-83.
26. Du Y, Yang D, Li L, Luo G, Li T, Fan X, Wang Q, Zhang X, Wang Y, **Le W**. An insight into the mechanistic role of p53-mediated autophagy induction in response to proteasomal inhibition-induced neurotoxicity. *Autophagy*. 2009 Jul;5(5):663-75.
27. Liao SH, Zhao XY, Han YH, Zhang J, Wang LS, Xia L, Zhao KW, Zheng Y, Guo M, **Chen GQ**. Proteomics-based identification of two novel direct targets of hypoxia-inducible factor-1 and their potential roles in migration/invasion of cancer cells. *Proteomics*. 2009 Aug;9(15):3901-12.
28. Zheng Y, Wang LS, Xia L, Han YH, Liao SH, Wang XL, Cheng JK, **Chen GQ**. NDRG1 is down-regulated in the early apoptotic event induced by camptothecin analogs: The potential role in proteolytic activation of PKCdelta and apoptosis. *Proteomics*. 2009;9(8):2064-2075.
29. Shu RZ, Zhang F, Wang F, Feng DC, Li XH, Ren WH, Wu XL, Yang X, Liao XD, Huang L, **Wang ZG**. Adiponectin deficiency impairs liver regeneration through attenuating STAT3 phosphorylation in mice. *Lab Invest*. 2009 Sep;89(9):1043-52.
30. Feng D, Wang Y, Mei Y, Xu Y, Xu H, Lu Y, Luo Q, Zhou S, Kong X, **Xu L**. Stearoyl-CoA desaturase 1 deficiency protects mice from immune-mediated liver injury. *Lab Invest*. 2009 Feb;89(2):222-30.
31. Ma X, Xu L, Wang S, Chen H, Xu J, Li X, **Ning G**. Loss of steroid receptor co-activator-3 attenuates carbon tetrachloride-induced murine hepatic injury and fibrosis. *Lab Invest*. 2009 Aug;89(8):903-14.
32. Fang B, Wan YZ, Tang TT, Gao C, **Dai KR**. Proliferation and Osteoblastic Differentiation of Human Bone Marrow Stromal Cells on Hydroxyapatite/Bacterial Cellulose Nanocomposite Scaffolds. *Tissue Eng Part A*. 2009 May;15(5):1091-8.
33. Guo A, **Yang HT**. Ca²⁺ removal mechanisms in mouse embryonic stem cell-derived cardiomyocytes. *Am J Physiol Cell Physiol*. 2009 Sep;297(3):C732-41.
34. Li C, Yang Y, Gu J, Ma Y, **Jin Y**. Derivation and transcriptional profiling analysis of pluripotent stem cell lines from rat blastocysts. *Cell Res*. 2009 Feb;19(2):173-86.
35. Xu H, Wang W, Li C, Yu H, Yang A, Wang B, **Jin Y**. WWP2 promotes degradation of transcription factor OCT4 in human embryonic stem cells. *Cell Res*. 2009 Jun;19(6):796.
36. Feng D, Wang Y, Xu Y, Luo Q, Lan B, **Xu L**. Interleukin 10 deficiency exacerbates halothane induced liver injury by increasing interleukin 8 expression and neutrophil infiltration. *Biochem Pharmacol*. 2009 Jan 15;77(2):277-84.

37. Fu L, Tang T, Miao Y, Hao Y, **Dai K**. Effect of 1,25-dihydroxy vitamin D3 on fracture healing and bone remodeling in ovariectomized rat femora. *Bone*. 2009 May;44(5):893-8.
38. Gao FH, Wu YL, Zhao M, Liu CX, Wang LS, **Chen GQ**. Protein kinase C-delta mediates down-regulation of heterogeneous nuclear ribonucleoprotein K protein: involvement in apoptosis induction. *Exp Cell Res*. 2009 Nov 15; 315(19):3250-8.
39. Xiao YQ, Liu K, Shen JF, **Xu GT**, Ye W. SB-431542 inhibition of scar formation after filtration surgery and its potential mechanism. *Invest Ophthalmol Vis Sci*. 2009 Apr; 50(4):1698-706.
40. Yu Z, Wang ZH, **Yang HT**. Calcium/calmodulin-dependent protein kinase II mediates cardioprotection of intermittent hypoxia against ischemic-reperfusion-induced cardiac dysfunction. *Am J Physiol Heart Circ Physiol*. 2009 Aug;297(2):H735-42.
41. Xu Y, Feng D, Wang Y, Luo Q, **Xu L**. STAT3 mediates protection from liver inflammation after partial hepatectomy. *Cell Physiol Biochem*. 2009 May 6;23(4-6):379-86.
42. Zhang X, Tang T, Shi Q, Fernandes JC, **Dai K**. The immunologic properties of undifferentiated and osteogenic differentiated mouse mesenchymal stem cells and its potential application in bone regeneration. *Immunobiology*. 2009 Mar;214(3):179-86.
43. Shi X, Cui B, Wang Z, Weng L, Xu Z, Ma J, Xu G, Kong X, **Hu L**. Removal of Hsf4 leads to cataract development in mice through down-regulation of gammaS-crystallin and Bfsp expression. *BMC Mol Biol*. 2009 Feb 19;10(1):10.
44. Zhou WJ, Zhu DL, Yang GY, Zhang Y, Wang HY, Ji KD, Lu YM, **Gao PJ**. Circulating endothelial progenitor cells in Chinese patients with acute stroke. *Hypertens Res*. 2009 Apr;32(4):306-10.
45. Yuan TT, Huang Y, Zhou CX, Yu Y, Wang LS, Zhuang HY, **Chen GQ**. Nuclear translocation of dihydrofolate reductase is not a prerequisite for DNA damage induced apoptosis. *Apoptosis*. 2009 May;14(5):699-710.
46. Jia H, Jiang X, Zhao Z, Ge Y, Lu J, Zhao Y, Cui B, **Ning G**. High frequency of down-regulation of E-cadherin detected in benign sporadic insulinomas by multiplex ligation-dependent probe amplification. *Hum Pathol*. 2009 Sep;40(9):1336-41.
47. Pan J, Xiao Q, Sheng CY, Hong Z, Yang HQ, Wang G, Ding JQ, **Chen SD**. Blockade of the translocation and activation of c-Jun N-terminal kinase 3 (JNK3) attenuates dopaminergic neuronal damage in mouse model of Parkinson's disease. *Neurochem Int*. 2009 Jun;54(7):418-25.
48. Ming M, Li X, Fan X, Yang D, Li L, Chen S, Gu Q, **Le W**. Retinal pigment epithelial cells secrete neurotrophic factors and synthesize dopamine: possible contribution to therapeutic effects of RPE cell transplantation in Parkinson's disease. *J Transl Med*. 2009 Jun 28;7:53.
49. Yin S, Deng W, Zheng H, Zhang Z, Hu L, **Kong X**. Evidence that the nonsense-mediated mRNA decay pathway participates in X chromosome dosage compensation in mammals. *Biochem Biophys Res Commun*. 2009 Jun 5;383(3):378-82.
50. Yin S, Deng W, Hu L, **Kong X**. The impact of nucleosome positioning on the organization of replication origins in eukaryotes. *Biochem Biophys Res Commun*. 2009 Jul 31;385(3):363-8.
51. Du TT, Fu YF, Dong M, Wang L, Fan HB, Chen Y, Jin Y, Chen SJ, Chen Z, Deng M, Huang QH, **Liu TX**. Experimental validation and complexity of miRNA-mRNA target interaction during zebrafish primitive erythropoiesis. *Biochem Biophys Res Commun*. 2009 Apr 17;381(4):688-93.
52. Zhao M, Duan XF, Wen DH, **Chen GQ**. PU.1, a novel caspase-3 substrate, partially contributes to chemotherapeutic agents-induced apoptosis in leukemic cells. *Biochem Biophys Res Commun*. 2009 May 8;382(3):508-13.
53. Chen W, Chu Y, Zhu D, Yan C, Liu J, Ji K, **Gao P**. Perivascular gene transfer of dominant-negative N19RhoA attenuates neointimal formation via inhibition of TGF-beta1-Smad2 signaling in rats after carotid artery balloon injury. *Biochem Biophys Res Commun*. 2009 Nov 13;389(2):217-23.
54. Zhang F, Shu R, Wu X, Zhao X, Feng D, Wang L, Lu S, Liu Q, Xiang Y, Fei J, Huang L, **Wang ZG**. Delayed liver injury and impaired hepatocyte proliferation after carbon tetrachloride exposure in BPO22-deficient mice. *Toxicol Lett*. 2009 Aug 10;188(3):201-7.
55. Xu JZ, Zhang Y, Wu SN, Niu WQ, Zhu DL, **Gao PJ**. Impaired endothelial function in hypertensive patients with target organ damage. *J Hum Hypertens*. 2009 Nov;23(11):751-7.
56. Luo Q, Wang Y, Feng D, Xu Y, **Xu L**. Vasoactive intestinal peptide attenuates concanavalin A-mediated liver injury. *Eur J Pharmacol*. 2009 Apr 1;607(1-3):226-33.

57. Wang S, Mao C, Zhao Z, Gu Q, Jin M, Xiao Y, Jiang X, Zhao Y, Zhang Y, **Ning G**. Increased TTS abrogates IDO-mediated CD4(+) T cells suppression in patients with Graves' disease. *Endocrine*. 2009 Aug;36(1):119-25.
58. Zhang YW, Jia HY, Hong J, Ge Y, Zhang HJ, Shen CF, Ye L, Cui B, Li XY, Gu WQ, Zhang YF, Wang WQ, **Ning G**. Clinical and genetic analysis for four Chinese families with Prader-Willi syndrome. *Endocrine*. 2009 Aug;36(1):37-44.
59. Chen S, Han YH, Zheng Y, Zhao M, Yan H, Zhao Q, **Chen GQ**, Li D. NDRG1 contributes to retinoic acid-induced differentiation of leukemic cells. *Leuk Res*. 2009;33(8):1108-1113.
60. Han WQ, Zhu DL, Wu LY, Chen QZ, Guo SJ, **Gao PJ**. N-acetylcysteine-induced vasodilation involves voltage-gated potassium channels in rat aorta. *Life Sci*. 2009 May 22;84(21-22):732-7.
61. Zhang Y, Zheng L, Zhang T, Wang Y, Xiao Q, Fei QZ, Cui PJ, Cao L, **Chen SD**. GIGYF2 Asn56Ser mutation is rare in Chinese Parkinson's disease patients. *Neurosci Lett*. 2009 Oct 9;463(3):172-5.
62. Xu Y, Xue Y, Wang Y, Feng D, Lin S, **Xu L**. Multiple-modulation effects of Oridonin on the production of proinflammatory cytokines and neurotrophic factors in LPS-activated microglia. *Int Immunopharmacol*. 2009 Mar;9(3):360-5.
63. Han WQ, Wu LY, Zhou HY, Zhang J, Che ZQ, Wu YJ, Liu JJ, Zhu DL, **Gao PJ**. Changes in the composition of the thoracic aortic wall in spontaneously hypertensive rats treated with losartan or spironolactone. *Clin Exp Pharmacol Physiol*. 2009 May;36(5-6):583-8.
64. Sun H, Dai K, Tang T, **Zhang X**. Regulation of Osteoblast Differentiation by Slit2 in Osteoblastic Cells. *Cells Tissues Organs*. 2009 Jul;190(2):69-80.
65. Zhang P, Han D, Tang T, Zhang X, **Dai K**. The destruction evaluation in different foot joints: new ideas in collagen-induced arthritis rat model. *Rheumatol Int*. 2009 Apr;29(6):607-13.
66. Yang HQ, Sun ZK, Zhao YX, Pan J, Ba MW, Lu GQ, Ding JQ, Chen HZ, **Chen SD**. PMS777, a New Cholinesterase Inhibitor with Anti-Platelet Activated Factor Activity, Regulates Amyloid Precursor Protein Processing In Vitro. *Neurochem Res*. 2009 Mar;34(3):528-535.
67. Fan X, Luo G, Ming M, Pu P, Li L, Yang D, **Le W**. Nurr1 expression and its modulation in microglia. *Neuroimmunomodulation*. 2009;16(3):162-70.
68. Xiao W, Wu Y, Zhang J, Ye W, **Xu GT**. Selecting highly sensitive non-obese diabetic mice for improving the study of Sjögren's syndrome. *Graefes Arch Clin Exp Ophthalmol*. 2009 Jan;247(1):59-66.
69. Zhang J, **Chen GQ**. Hypoxia-HIF-1alpha-C/EBPalpha/Runx1 signaling in leukemic cell differentiation. *Pathophysiology*. 2009;16():297-303.
70. Hou H, Zhang X, Tang T, **Dai K**, Ge R. Enhancement of bone formation by genetically-engineered bone marrow stromal cells expressing BMP-2, VEGF and angiopoietin-1. *Biotechnol Lett*. 2009 Aug;31(8):1183-9.
71. **Chen GQ**, Zhang J, Zhao Q. Active compounds-based discoveries about the differentiation and apoptosis of leukemic cells. *Chinese Science Bulletin*. 2009; 54 (22): 4094-4101.

▲ TOP