**Chinese Academy of Medical Sciences & Peking Union Medical College**

**Institute of Basic Medical Sciences**

**Faculty Curriculum Vitae**

**PERSONAL INFORMATION**

Name Robert Chunhua Zhao M.D. PhD

Academician, European Academy of Sciences, Arts and Humanities

Vice-president, Chinese Branch of European Academy of Sciences, Arts

and Humanities

President, International Society on Aging and Disease（USA）

Regional Editor, Stem Cells and Development（USA）

Cheung Kong Scholar, Professor of Medicine, Chairman at Center of

Excellence in Tissue Engineering, Chinese Academy Medical Sciences and

Peking Union Medical College

Director at Beijing Key Laboratory of New Drug

Development and Clinical Trial of Stem Cell Therapy

Nationality Chinese, Permanent Residence of USA (US Green Card Holder)

Office Address Dongdan Santiao No. 5, Beijing 100005, People’s Republic of China

Tel +86-10-65125311

Fax +86-10-65125311

Email [zhaochunhua@vip.163.com](mailto:zhaochunhua@vip.163.com)

**PROFESSIONAL EXPERIENCE**

3/2019-present Vice-president, Chinese Branch of European Academy of Sciences Arts

and Humanities

11/2018-present Academician, European Academy of Sciences Arts and Humanities

10/2018-present President, International Society on Aging and Disease (http://www.isoad.org/Data/List/Officers)

12/2017-12/2021 Advisory Committee Member of Pharmaceutical Experts for Pharmaceutical and Biological Products Registration of Center for Drug Evaluation (CFDA)

12/2015-present Expert, National Consultative Group of Experts on the Standardization of Biotechnology

6/2015-present Director, Beijing Key Laboratory of New Drug Development and Clinical Trial of Stem Cell Therapy

4/2015-present Adjunct Professor, Department of Anatomy and Developmental Biology, Monash University

8/2014-present Vice President, Chinese Society for Anatomical Sciences

2/2013-present Adjunct Professor, Peking Union Medical College Hospital

1/2007-present Head of Department of Cell Biology, Institute of Basic Medical Sciences Chinese Academy of Medical Sciences & Peking Union Medical College

1/2006-present Adjunct Professor, Department of Molecular Genetics, Microbiology and

Immunology, and Co-director of the Division of Stem Cell Immunobiology, Center of Molecular Therapy, Robert Wood Johnson Medical School

5/2002-present Director, Center of Excellence in Tissue Engineering, Chinese Academy of Medical Sciences and Peking Union Medical College

3/2002-2004 Vice Director, National Center for Stem Cell Research

12/2000-present Cheung Kong Scholar of Stem Cell Biology in China, Director, Sino-America

Collaborative Laboratory, Institute of Hematology, Chinese Academy of Medical Sciences and Peking Union Medical College

9/1999-present Professor & Vice Director, National Key Laboratory for Experimental Hematology

3/1998-2000 Assistant Professor, Division of Hematology Oncology & Transplantation, Stem Cell Institute & Cancer Center, University of Minnesota, Minneapolis, MN

7/1996-3/1998 Research Associate, Division of Hematology, Oncology & Transplantation & Cancer Center, University of Minnesota, Minneapolis, MN

2/1995-7/1996 Postdoctoral Associate, Stem Cells Lab, Division of Hematology,

University of Minnesota, Minneapolis, MN

7/1993-2/1995 Assistant Professor, Academy of Military Medical Sciences,

Director of Division of Genetic Engineering, SinoChem Institute of Bio-Technology, Beijing

7/1985-7/1988 Fellow, Department of Hematology, North TaiPing Hospital, Beijing

**EDUCATION AND TRAINING**

1995-1997 Postdoctoral Fellowship Stem Cells Lab, Division of Hematology, University of Minnesota, Minneapolis, MN

1988-1993 Ph.D., Immunology, Molecular, Cellular Biology and Genetics Academy of Military Medical Sciences, Beijing

1988-1991 Fellowship, Beijing North TaiPing Hospital

1980-1985 M.D., Second Military Medical University, Shanghai

**FUNDING/GRANTS**

2020-2021 National key R & D plan "key special project of public security risk

prevention and control and emergency technical equipment"

(Grant No. 2020YFC0844000) -370,000USD

2017-2020 CAMS Innovation Fund for Medical Sciences (Grant No.2017-I2M-3-007)

2016-2020 National Key Research and Development Program of China (Grant No. 2016YFA0101000, 2016YFA0101003)-2,830,000USD

2015-2017 Project Supported by Beijing Municipal Science & Technology Commission (Grant No. Z151100001615063)-70,000USD

2014-2017 Project Supported by the Natural Science Foundation of Beijing, China (Grant No. 14G10098)-90,000USD

2014-2016 National Science and Technology Major Project for Innovative Pharmaceuticals (Grant No. 2014ZX09101042)-3,980,000USD

2014-2017 Project supported by the State General Program of National Natural Science of China (Grant No. 81370879 & Grant No. 81370466)-120,000 USD

2013-2015 International Science & Technology Cooperation Program (Grant No. 2013DFG30680) -90,000USD

2011-2012 The Ministry of Science and Technology of the People Republic of China (863 Projects) ( Grant No. 2011AA020100) -3,680,000USD

2011-2015 The National Basic Research Program of China (973 Program) (Grant No. 2011CB964900) -4,250,000USD

2010-2012 Project Supported by Program for Cheung Kong Scholars and Innovative Research Team in University (Grant No. IRT0909)-420,000 USD

2010-2012 Project Supported by the Funds for International Cooperation and Exchange of the National Natural Science Foundation of China (Sino-German) (Grant No. 30911130363)-60,000 USD

2009-2010 National Science and Technology Major Project for Innovative Pharmaceuticals (Grant No. 2009ZX09503-025)-980,000 USD

2009-2012 Project Supported by the State Key Program of National Natural Science of China (Grant No. 30830052 ) -230,000USD

2004-2007 The National Natural Science Foundation of China (Grant No.30070284)-30,000USD

2002-2006 The National Key Project for Basic Research of China (Grant No. 001CB5099) -370,000USD

2001-2005 The Ministry of Science and Technology of the People Republic of China (863 Projects) (Grant No. 2002AA205061)-910,000USD

2001-2005 The China Medical Board of New York (Stem Cell Biology, Engineering, Grant No. 01-748) -550,000USD

**AWARDS AND HONORS**

2016 National Outstanding Scientific and Technical Workers, China Association for Science and Technology

2009 The National Second Invent Award, People’s Republic of China

2007 The First Invent Award, the Ministry of Education of the People’s Republic of China

2007 The Second Award for the Advancement of Science and Technology in Beijing

2001-2004 National Science Fund for Distinguished Young Scholars

2001 The Second China Medical Award

2000 The Second Award for the Advancement of Science and Technology in Tianjin

1999-2000 21st Century of Tianjin Outstanding Scientist Award

1999 Minnesota Medical Foundation “beta1 Integrins mediated adhesive defects in Bcr/Abl transduced primary hematopoietic CD34 positive cells”. PI Zhao RCH

1999 Minnesota University Bone Marrow Transplant Research Fund Award. PI Zhao RCH

1999 Faculty grant of Minnesota University Graduate School “Transfer of p210BCR/ABL in human CD34 cell recreates novel CML model”. PI Zhao RCH

1997 “Autologous transplantation for chronic myelogenous leukemia with stem cells transduced with a MTX resistant DHFR and anti-BCR/ABL antisense containing vector and post transplant MTX administration". Clinical Trial MT 9702 Proved by Food and Drug Administration). Verfaillie CM (PI), Zhao RCH (Co-PI), “Gene Therapy for Leukemia” Supported by Leukemia Society of America

1996 “Method to prepare drug-resistant, non-malignant hematopoietic cells” was issued U.S. Patent Application by the three inventors, International publication No: Wo97/18305 on 22 May 1997. Verfaillie CM, Zhao RCH.

“Develop retroviral vectors that render stem cells drug-resistant and malignant BCR/ABL positive stem cells functionally normal.” Zhao RCH, Verfaillie CM. Bone Marrow Transplant Research Fund Awards.

**EDITORIAL BOARD/MEMBERSHIP**

1/2018-present Editorial Board of Frontiers of Medicine

2011-present Leader of Stem cell research platform, National “2011 project” of Biological Therapy with Collaborative Innovation Center

2011- present Chief scientist of National 973 Basic Research Program of the MOST

2008-present Vice Secretary-General of Chinese Society for Anatomical Sciences

2006-2011 Editorial board member of Experimental Hematology

1/2004-present Regional Editor of Stem Cells and Development

2003-present Regional Editor /Associate Editor, Stem Cells and Development

2006-present Vice President of Chinese Society of Regenerative Medicine

2006-present Vice President of Chinese Society of Experimental Hematology

2003-present Member of Education Committee, Tissue Engineering and Regenerative Medicine International Society

2002-2006 Editorial board member of international J of Lab. & Clinical Med.

2001-2004 Advisor of National Committee of Science and High Technology “863” in China

1998-2001 Member of Cancer Center University of Minnesota

**PUBLICATIONS**

1. Deng L, Li H, Su X, Zhang Y, Xu H, Fan L, Fan J, Han Q, Bai X, Zhao RC. Chlorzoxazone, a small molecule drug, augments immunosuppressive capacity of mesenchymal stem cells via modulation of FOXO3 phosphorylation. Cell Death Dis. 2020 Mar 2;11(3):158.
2. Leng Z, Zhu R, Hou W, Feng Y, Yang Y, Han Q, Shan G, Meng F, Du D, Wang S, Fan J, Wang W, Deng L, Shi H, Li H, Hu Z, Zhang F, Gao J, Liu H, Li X, Zhao Y, Yin K, He X, Gao Z, Wang Y, Yang B, Jin R, Stambler I, Lim LW, Su H, Moskalev A, Cano A, Chakrabarti S, Min KJ, Ellison-Hughes G, Caruso C, Jin K, Zhao RC. Transplantation of ACE2- Mesenchymal Stem Cells Improves the Outcome of Patients with COVID-19 Pneumonia. Aging Dis. 2020 April: 11(2):216-228
3. Zhao RC, Stambler I. [The Urgent Need for International Action for Anti-aging and Disease Prevention.](https://www.ncbi.nlm.nih.gov/pubmed/32010494) Aging Dis. 2020 Feb 1;11(1):212-215.
4. Qin W, Li J, Zhu R, Gao S, Fan J, Xia M, Zhao RC, Zhang J. [Melatonin protects blood-brain barrier integrity and permeability by inhibiting matrix metalloproteinase-9 via the NOTCH3/NF-κB pathway.](https://www.ncbi.nlm.nih.gov/pubmed/31811815) Aging (Albany NY). 2019 Dec 7;11(23):11391-11415.
5. Li J, Li N, Chen Y, Hui S, Fan J, Ye B, Fan Z, Zhang J, Zhao RC, Zhuang Q.SPRY4 is responsible for pathogenesis of adolescent idiopathic scoliosis by contributing to osteogenic differentiation and melatonin response of bone marrow-derived mesenchymal stem cells. Cell Death Dis. 2019 Oct 23;10(11):805.
6. Li H, Yue L, Xu H, Li N, Li J, Zhang Z, Zhao RC. Curcumin suppresses osteogenesis by inducing miR-126a-3p and subsequently suppressing the WNT/LRP6 pathway. Aging (Albany NY). 2019 Sep 3;11(17):6983-6998.
7. Li J, Yang Y, Fan J, Xu H, Fan L, Li H, Zhao RC.Long noncoding RNA ANCR inhibits the differentiation of mesenchymal stem cells toward definitive endoderm by facilitating the association of PTBP1 with ID2.Cell Death Dis. 2019 Jun 24;10(7):492.
8. Yin K, Wang S, Zhao RC. [Exosomes from mesenchymal stem/stromal cells: a new therapeutic paradigm.](https://www.ncbi.nlm.nih.gov/pubmed/30992990) Biomark Res. 2019 Apr 4;7:8.
9. Wang S, Su X, Xu M, Xiao X, Li X, Li H, Keating A, Zhao RC.[Exosomes secreted by mesenchymal stromal/stem cell-derived adipocytes promote breast cancer cell growth via activation of Hippo signaling pathway.](https://www.ncbi.nlm.nih.gov/pubmed/30971292) Stem Cell Res Ther. 2019 Apr 11;10(1):117.
10. Li J, Hao Y, Mao W, Xue X, Xu P, Liu L, Yuan J, Zhang D, Li N, Chen H, Zhao L, Sun Z, Luo J, Chen R, Zhao RC. [LincK contributes to breast tumorigenesis by promoting proliferation and epithelial-to-mesenchymal transition.](https://www.ncbi.nlm.nih.gov/pubmed/30795783) J Hematol Oncol. 2019 Feb 22;12(1):19.
11. Shen Y, Xue C, Li X, Ba L, Gu J, Sun Z, Han Q, Zhao RC. Effects of gastric cancer cell-derived exosomes on the immune regulation of mesenchymal stem cells by the NF-kB signaling pathway. Stem Cells Dev. 2019 Apr 1;28(7):464-476.
12. Li H, Zhu L, Chen H, Li T, Han Q, Wang S, Yao X, Feng H, Fan L, Gao S, Boyd R, Cao X, Zhu P, Li J1, Keating A, Su X, Zhao RC. Generation of Functional Hepatocytes from Human Adipose-Derived MYC+ KLF4+ GMNN+ Stem Cells Analyzed by Single-Cell RNA-Seq Profiling. Stem Cells Transl Med. 2018 Sep 11.
13. Fan J, An X, Yang Y, Xu H, Fan L, Li T, Weng X, Zhang J, Zhao RC. miR-1292 Targets FZD4 to Regulate Senescence and Osteogenic Differentiation of Stem Cells in TE/SJ/Mesenchymal tissue system via the Wnt/β-catenin Pathway. Aging and Disease. 2018 Dec 9(6).
14. Li H#, Fan J#, Fan L, Li T, Yang Y, Xu H, Deng L, Li J, Li T, Weng X, Wang S, Zhao RC. miRNA-10b Reciprocally Stimulates Osteogenesis and Inhibits Adipogenesis Partly Through the TGF-β/SMAD2 Signaling Pathway. Aging and Disease. 2018 Dec 9(6).
15. Wang S, Xu M, Li X, Su X, Xiao X, Keating A, Zhao RC. Exosomes released by hepatocarcinoma cells endow adipocytes with tumor-promoting properties. J Hematol Oncol. 2018 Jun 14;11(1):82.
16. Wang S, Zhu R, Li H, Li J, Han Q, Zhao RC. Mesenchymal stem cells and immune disorders: from basic science to clinical transition. Front Med. 2018 Jul 30.
17. Fan L, Fan J, Liu Y, Li T, Xu H, Yang Y, Deng L, Li H, Zhao RC. [miR-450b promotes osteogenic differentiation in vitro and enhances bone formation in vivo by targeting BMP3.](https://www.ncbi.nlm.nih.gov/pubmed/29649414) Stem Cells Dev. 2018 May 1;27(9):600-611.
18. Liu X, Ren S, Ge C, Cheng K, Li X, Zhao RC. [Sca1+Lin-CD117- mouse bone marrow-derived mesenchymal stem cells regulate immature dendritic cell maturation by inhibiting TLR4-IRF8 signaling via the Notch-RBP-J pathway.](https://www.ncbi.nlm.nih.gov/pubmed/29649410) Stem Cells Dev. 2018 Apr 15;27(8):556-565.
19. Gao J, Wang S, Tang Q, Li X, Zhang Y, Liu W, Gao Z, Yang H, Zhao RC. [In vitro survival of mesenchymal stem cells is enhanced in artificial endolymph with moderately high concentrations of potassium.](https://www.ncbi.nlm.nih.gov/pubmed/29631482) Stem Cells Dev. 2018 May 15;27(10):658-670.
20. Ding J, Han Q, Deng M, Song XC, Chen C, Ai FF, Zhu L, Zhao RC.[Induction of human umbilical cord mesenchymal stem cells into tissue-forming cells in a murine model: implications for pelvic floor reconstruction.](https://www.ncbi.nlm.nih.gov/pubmed/29480458)Cell Tissue Res. 2018 Feb 26.
21. Xue C, Shen Y, Li X, Ba L, Sun Z, Gu J, Chen Y, Ma B, Wei J, Han Q, Zhao RC.[Exosomes derived from hypoxia-treated human adipose mesenchymal stem cells enhance angiogenesis through the PKA signaling pathway.](https://www.ncbi.nlm.nih.gov/pubmed/29415626)Stem Cells Dev. 2018 Feb 7.
22. [Yin K](https://www.ncbi.nlm.nih.gov/pubmed/?term=Yin%20K%5BAuthor%5D&cauthor=true&cauthor_uid=28594941), [Zhu R](https://www.ncbi.nlm.nih.gov/pubmed/?term=Zhu%20R%5BAuthor%5D&cauthor=true&cauthor_uid=28594941), [Wang S](https://www.ncbi.nlm.nih.gov/pubmed/?term=Wang%20S%5BAuthor%5D&cauthor=true&cauthor_uid=28594941), [Zhao RC](https://www.ncbi.nlm.nih.gov/pubmed/?term=Zhao%20RC%5BAuthor%5D&cauthor=true&cauthor_uid=28594941).Low level laser (LLL) attenuate LPS-induced inflammatory responses in mesenchymal stem cells via the suppression of NF-κB signaling pathway in vitro. [PLoS One.](https://www.ncbi.nlm.nih.gov/pubmed/28594941) 2017 Jun 8;12(6):e0179175.
23. [Wang S](https://www.ncbi.nlm.nih.gov/pubmed/?term=Wang%20S%5BAuthor%5D&cauthor=true&cauthor_uid=28523512), [Li X](https://www.ncbi.nlm.nih.gov/pubmed/?term=Li%20X%5BAuthor%5D&cauthor=true&cauthor_uid=28523512), [Xu M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Xu%20M%5BAuthor%5D&cauthor=true&cauthor_uid=28523512)1, [Wang J](https://www.ncbi.nlm.nih.gov/pubmed/?term=Wang%20J%5BAuthor%5D&cauthor=true&cauthor_uid=28523512), [Zhao RC](https://www.ncbi.nlm.nih.gov/pubmed/?term=Zhao%20RC%5BAuthor%5D&cauthor=true&cauthor_uid=28523512)3Reduced adipogenesis after lung tumor exosomes priming in human mesenchymal stem cells via TGFβ signaling pathway. [Mol Cell Biochem.](https://www.ncbi.nlm.nih.gov/pubmed/28523512) 2017 May 18.
24. Yin K, Zhu R, Wang S, Zhao RC.[Low level lasers effect on proliferation, migration and anti-apoptosis of mesenchymal stem cells.](https://www.ncbi.nlm.nih.gov/pubmed/28178868) Stem Cells Dev. 2017 May 15;26(10):762-775.
25. Wan L, Yao X, Faiola F, Liu B, Zhang T, Tabata Y, Mizuguchi H, Nakagawa S, Gao JQ, Zhao RC. Coating with spermine-pullulan polymer enhances adenoviral transduction of mesenchymal stem cells. Int J Nanomedicine. 2016 Dec 13;11:6763-6769.
26. Su X, Yao X, Sun Z, Han Q, Zhao RC.Optimization of Reference Genes for Normalization of qRT-PCR Results in Senescence Study of Mesenchymal Stem Cells. Stem Cells Dev. 2016 Aug 2.
27. Liang X, Zhang L, Wang S, Han Q, Zhao RC.Exosomes secreted by mesenchymal stem cells promote endothelial cell angiogenesis by transferring miR-125a. J Cell Sci. 2016 Jun 1;129(11):2182-9.
28. Li X, Wang S, Zhu R, Li H, Han Q, Zhao RC. Lung tumor exosomes induce a pro-inflammatory phenotype in mesenchymal stem cells via NFκB-TLR signaling pathway.J Hematol Oncol. 2016 Apr 18;9:42.
29. Li HL, Wei JF, Fan LY, Wang SH, Zhu L, Li TP, Lin G, Sun Y, Sun ZJ, Ding J, Liang XL, Li J, Han Q, Zhao RC.miR-302 regulates pluripotency, teratoma formation and differentiation in stem cells via an AKT1/OCT4-dependent manner.Cell Death Dis. 2016 an 28;7:e2078.
30. Wang S, Li X, Zhao RC. Transcriptome Analysis of Long Noncoding RNAs in Toll-Like Receptor 3-Activated Mesenchymal Stem Cells. Stem Cells Int. 2016;2016:6205485.
31. Wang S, Li X, Zhu R, Han Q, Zhao RC.Lung cancer exosomes initiate global long non-coding RNA changes in mesenchymal stem cells. Int J Oncol. 2016 Feb;48(2):681-9.
32. Xiao T, Liu L, Li H, Sun Y, Luo H, Li T, Wang S, Dalton S, Zhao RC, Chen R. Long Noncoding RNA ADINR Regulates Adipogenesis by Transcriptionally Activating C/EBPα.Stem Cell Reports. 2015 Nov 10;5(5):856-65.
33. Wang S, Xu P, Li X, Su X, Chen Y, Wan L, Fan L, Yin K, Liu Y, Zhao RC. Mesenchymal stem cells and cell therapy for bone repair. Curr Mol Pharmacol. 2015 Sep 28. [Epub ahead of print]
34. Zhang L, Li K, Yan X, Liang X, Wang S, Han Q, Zhao RC. MicroRNA-498 Inhibition Enhances the Differentiation of Human Adipose-Derived Mesenchymal Stem Cells into Podocyte-Like Cells. Stem Cells Dev. 2015 Oct 26. [Epub ahead of print]
35. Zeng Y, Zhu L, Han Q, Liu W, Mao X, Li Y, Yu N, Feng S, Fu Q, Wang X, Du Y, Zhao RC. Preformed gelatin microcryogels as injectable cell carriers for enhanced skin wound healing. Acta Biomater. 2015 Oct 1;25:291-303.
36. Li H, Li T, Fan J, Li T, Fan L, Wang S, Weng X, Han Q, Zhao RC.miR-216a rescues dexamethasone suppression of osteogenesis, promotes osteoblast differentiation and enhances bone formation, by regulating c-Cbl-mediated PI3K/AKT pathway. Cell Death Differ. 2015 Dec;22(12):1935-45.
37. Sun Z, Zhou N, Han Q, Zhao L, Bai C, Chen Y, Zhou J, Zhao RC.MicroRNA-197 influences 5-fluorouracil resistance via thymidylate synthase in colorectal cancer. Clin Transl Oncol. 2015 Nov;17(11):876-83.
38. Liu X, Ren S, Ge C, Cheng K, Zenke M, Keating A, Zhao RC.Sca-1+Lin-CD117- mesenchymal stem/stromal cells induce the generation of novel IRF8-controlled regulatory dendritic cells through Notch-RBP-J signaling. J Immunol. 2015 May 1;194(9):4298-308.
39. Liu X, Ren S, Qu X, Ge C, Cheng K, Zhao RC [Mesenchymal stem cells inhibit Th17 cells differentiation via IFN-γ-mediated SOCS3 activation.](http://www.ncbi.nlm.nih.gov/pubmed/25588866) Immunol Res. 2015 Mar;61(3):219-29..
40. Sun Z, Meng C, Wang S, Zhou N, Guan M, Bai C, Lu S, Han Q, Zhao RC. [MicroRNA-1246 enhances migration and invasion through CADM1 in hepatocellular carcinoma.](http://www.ncbi.nlm.nih.gov/pubmed/25159494)BMC Cancer.  2014 Aug 27;14:616.
41. Yao X, Zhou N, Wan L, Su X, Sun Z, Mizuguchi H, Yoshioka Y, Nakagawa S, Zhao RC, Gao JQ. [Polyethyleneimine-coating enhances adenoviral transduction of mesenchymal stem cells.](http://www.ncbi.nlm.nih.gov/pubmed/24727452)Biochem Biophys Res Commun. 2014 May 9;447(3):383-7.
42. Li T, Li H, Li T, Fan J, Zhao RC, Weng X. [MicroRNA Expression Profile of Dexamethasone-Induced Human Bone Marrow-Derived Mesenchymal Stem Cells During Osteogenic Differentiation.](http://www.ncbi.nlm.nih.gov/pubmed/24802236)J Cell Biochem. 2014 Oct;115(10):1683-91.
43. [Wang L](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20L%5BAuthor%5D&cauthor=true&cauthor_uid=24835895)1, [Han Q](http://www.ncbi.nlm.nih.gov/pubmed?term=Han%20Q%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Chen H](http://www.ncbi.nlm.nih.gov/pubmed?term=Chen%20H%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Wang K](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20K%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Shan GL](http://www.ncbi.nlm.nih.gov/pubmed?term=Shan%20GL%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Kong F](http://www.ncbi.nlm.nih.gov/pubmed?term=Kong%20F%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Yang YJ](http://www.ncbi.nlm.nih.gov/pubmed?term=Yang%20YJ%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Li YZ](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20YZ%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Zhang X](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhang%20X%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Dong F](http://www.ncbi.nlm.nih.gov/pubmed?term=Dong%20F%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Wang Q](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20Q%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Xu D](http://www.ncbi.nlm.nih.gov/pubmed?term=Xu%20D%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Hu ZJ](http://www.ncbi.nlm.nih.gov/pubmed?term=Hu%20ZJ%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Wang SH](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20SH%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Keating A](http://www.ncbi.nlm.nih.gov/pubmed?term=Keating%20A%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Bi YL](http://www.ncbi.nlm.nih.gov/pubmed?term=Bi%20YL%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Zhang FC](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhang%20FC%5BAuthor%5D&cauthor=true&cauthor_uid=24835895), [Zhao RC](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhao%20RC%5BAuthor%5D&cauthor=true&cauthor_uid=24835895). Allogeneic Bone Marrow Mesenchymal Stem Cell Transplantation in Patients with UDCA-Resistant Primary Biliary Cirrhosis. [Stem Cells Dev.](http://www.ncbi.nlm.nih.gov/pubmed/24835895) [Stem Cells Dev.](http://www.ncbi.nlm.nih.gov/pubmed/24835895) 2014 Oct 15;23(20):2482-9.
44. [Wei J](http://www.ncbi.nlm.nih.gov/pubmed?term=Wei%20J%5BAuthor%5D&cauthor=true&cauthor_uid=24617339)1, [Li H](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20H%5BAuthor%5D&cauthor=true&cauthor_uid=24617339), [Wang S](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20S%5BAuthor%5D&cauthor=true&cauthor_uid=24617339), [Li T](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20T%5BAuthor%5D&cauthor=true&cauthor_uid=24617339), [Fan J](http://www.ncbi.nlm.nih.gov/pubmed?term=Fan%20J%5BAuthor%5D&cauthor=true&cauthor_uid=24617339), [Liang X](http://www.ncbi.nlm.nih.gov/pubmed?term=Liang%20X%5BAuthor%5D&cauthor=true&cauthor_uid=24617339), [Li J](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20J%5BAuthor%5D&cauthor=true&cauthor_uid=24617339), [Han Q](http://www.ncbi.nlm.nih.gov/pubmed?term=Han%20Q%5BAuthor%5D&cauthor=true&cauthor_uid=24617339), [Zhu L](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhu%20L%5BAuthor%5D&cauthor=true&cauthor_uid=24617339), [Fan L](http://www.ncbi.nlm.nih.gov/pubmed?term=Fan%20L%5BAuthor%5D&cauthor=true&cauthor_uid=24617339), [Zhao RC](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhao%20RC%5BAuthor%5D&cauthor=true&cauthor_uid=24617339). let-7 enhances osteogenesis and bone formation while repressing adipogenesis of human stromal/mesenchymal stem cells by regulating HMGA2. [Stem Cells Dev.](http://www.ncbi.nlm.nih.gov/pubmed/24617339) 2014 Mar 11.
45. Sun Z, Wang S, Zhao RC..[The roles of mesenchymal stem cells in tumor inflammatory microenvironment.](http://www.ncbi.nlm.nih.gov/pubmed/24502410) [J Hematol Oncol.](http://www.ncbi.nlm.nih.gov/pubmed/?term=5.%09Sun+Z%2C+Wang+S%2C+Zhao+RC..The+roles+of+mesenchymal+stem+cells+in+tumor+inflammatory+microenvironment.+J+Hematol+Oncol.+2014+Feb+6%3B7(1)%3A14.) 2014 Feb 6;7:14.
46. [Feng N](http://www.ncbi.nlm.nih.gov/pubmed?term=Feng%20N%5BAuthor%5D&cauthor=true&cauthor_uid=24138016), [Han Q](http://www.ncbi.nlm.nih.gov/pubmed?term=Han%20Q%5BAuthor%5D&cauthor=true&cauthor_uid=24138016), [Li J](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20J%5BAuthor%5D&cauthor=true&cauthor_uid=24138016), [Wang S](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20S%5BAuthor%5D&cauthor=true&cauthor_uid=24138016), [Li H](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20H%5BAuthor%5D&cauthor=true&cauthor_uid=24138016), [Yao X](http://www.ncbi.nlm.nih.gov/pubmed?term=Yao%20X%5BAuthor%5D&cauthor=true&cauthor_uid=24138016), [Zhao RC](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhao%20RC%5BAuthor%5D&cauthor=true&cauthor_uid=24138016). Generation of highly purified neural stem cells from human adipose-derived mesenchymal stem cells by Sox1 activation. [Stem Cells Dev.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Generation+of+highly+purified+neural+stem+cells+from+human+adipose-derived+mesenchymal+stem+cells+by+Sox1+activation.+Stem+Cells+Dev.+2013+Oct+18) 2014 Mar 1;23(5):515-29.

1. [Zhang L](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhang%20L%5BAuthor%5D&cauthor=true&cauthor_uid=23844841), [Li K](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20K%5BAuthor%5D&cauthor=true&cauthor_uid=23844841), [Liu X](http://www.ncbi.nlm.nih.gov/pubmed?term=Liu%20X%5BAuthor%5D&cauthor=true&cauthor_uid=23844841), [Li D](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20D%5BAuthor%5D&cauthor=true&cauthor_uid=23844841), [Luo C](http://www.ncbi.nlm.nih.gov/pubmed?term=Luo%20C%5BAuthor%5D&cauthor=true&cauthor_uid=23844841), [Fu B](http://www.ncbi.nlm.nih.gov/pubmed?term=Fu%20B%5BAuthor%5D&cauthor=true&cauthor_uid=23844841), [Cui S](http://www.ncbi.nlm.nih.gov/pubmed?term=Cui%20S%5BAuthor%5D&cauthor=true&cauthor_uid=23844841), [Zhu F](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhu%20F%5BAuthor%5D&cauthor=true&cauthor_uid=23844841), [Zhao RC](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhao%20RC%5BAuthor%5D&cauthor=true&cauthor_uid=23844841), [Chen X](http://www.ncbi.nlm.nih.gov/pubmed?term=Chen%20X%5BAuthor%5D&cauthor=true&cauthor_uid=23844841). Repeated Systemic Administration of Human Adipose-Derived Stem Cells Attenuates Overt Diabetic Nephropathy in Rats. [Stem Cells Dev.](http://www.ncbi.nlm.nih.gov/pubmed/?term=Zhang+L%2C+Li+K%2C+Liu+X%2C+Li+D%2C+Luo+C%2C+Fu+B%2C+Cui+S%2C+Zhu+F%2C+Zhao+RC) 2013 Dec 1;22(23):3074-86.
2. [Lin R](http://www.ncbi.nlm.nih.gov/pubmed?term=Lin%20R%5BAuthor%5D&cauthor=true&cauthor_uid=23812844), [Wang S](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20S%5BAuthor%5D&cauthor=true&cauthor_uid=23812844), [Zhao RC](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhao%20RC%5BAuthor%5D&cauthor=true&cauthor_uid=23812844). Exosomes from human adipose-derived mesenchymal stem cells promote migration through Wnt signaling pathway in a breast cancer cell model. [Mol Cell Biochem.](http://www.ncbi.nlm.nih.gov/pubmed/23812844) 2013 Nov;383(1-2):13-20. .
3. [Bao XJ](http://www.ncbi.nlm.nih.gov/pubmed?term=Bao%20XJ%5BAuthor%5D&cauthor=true&cauthor_uid=23468083), [Liu FY](http://www.ncbi.nlm.nih.gov/pubmed?term=Liu%20FY%5BAuthor%5D&cauthor=true&cauthor_uid=23468083), [Lu S](http://www.ncbi.nlm.nih.gov/pubmed?term=Lu%20S%5BAuthor%5D&cauthor=true&cauthor_uid=23468083), [Han Q](http://www.ncbi.nlm.nih.gov/pubmed?term=Han%20Q%5BAuthor%5D&cauthor=true&cauthor_uid=23468083), [Feng M](http://www.ncbi.nlm.nih.gov/pubmed?term=Feng%20M%5BAuthor%5D&cauthor=true&cauthor_uid=23468083), [Wei JJ](http://www.ncbi.nlm.nih.gov/pubmed?term=Wei%20JJ%5BAuthor%5D&cauthor=true&cauthor_uid=23468083), [Li GL](http://www.ncbi.nlm.nih.gov/pubmed?term=Li%20GL%5BAuthor%5D&cauthor=true&cauthor_uid=23468083), [Zhao RC](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhao%20RC%5BAuthor%5D&cauthor=true&cauthor_uid=23468083), [Wang RZ](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20RZ%5BAuthor%5D&cauthor=true&cauthor_uid=23468083).Transplantation of Flk-1+ human bone marrow-derived mesenchymal stem cells promotes behavioral recovery and anti-inflammatory and angiogenesis effects in an intracerebral hemorrhage rat model. [Int J Mol Med.](http://www.ncbi.nlm.nih.gov/pubmed/23468083) 2013 May;31(5):1087-96.
4. Sun Z, Han Q, Zhou N, Wang S, Lu S, Bai C, Zhao RC. MicroRNA-9 enhances migration and invasion through KLF17 in hepatocellular carcinoma. [Mol Oncol.](http://www.ncbi.nlm.nih.gov/pubmed/?term=MicroRNA-9+enhances+migration+and+invasion+through+KLF17+in+hepatocellular+carcinoma.+Mol+Oncol.) 2013 Oct;7(5):884-94.
5. Li H, Li T, Wang S, Wei J, Fan J, Li J, Han Q, Liao L, Shao C, Zhao RC. miR-17-5p and miR-106a are involved in the balance between osteogenic and adipogenic differentiation of adipose-derived mesenchymal stem cells. Stem Cell Res. 2013 May;10(3):313-24.
6. Li J, Zhu L, Qu X, Li J, Lin R, Liao L, Wang J, Wang S, Xu Q, Zhao RC. Stepwise differentiation of human adipose derived mesenchymal stem cells towards definitive endoderm and pancreatic progenitor cells by mimicking pancreatic development in vivo. Stem Cells Dev. 2013 May 15;22(10):1576-87.
7. Mei Y, Bian C, Li J, Du Z, Zhou H, Yang Z, Zhao RC. miR-21 modulates the ERK-MAPK signaling pathway by regulating SPRY2 expression during human mesenchymal stem cell differentiation. [J Cell Biochem.](http://www.ncbi.nlm.nih.gov/pubmed/?term=miR-21+modulates+the+ERK-MAPK+signaling+pathway+by+regulating+SPRY2+expression+during+human+mesenchymal+stem+cell+differentiation.+J+Cell+Biochem.) 2013 Jun;114(6):1374-84.
8. Chen J, Li J, Han Q, Sun Z, Wang J, Wang S, Zhao RC. Enhancer of zeste homolog 2 is overexpressed and contributes to epigenetic inactivation of p21 and phosphatase and tensin homolog in B-cell acute lymphoblastic leukemia. Exp Biol Med (Maywood). 2012 Sep 1;237(9):1110-6.
9. Xu Q, Wang L, Li H, Han Q, Li J, Qu X, Huang S, Zhao RC. Mesenchymal stem cells play a potential role in regulating the establishment and maintenance of epithelial-mesenchymal transition in MCF7 human breast cancer cells by paracrine and induced autocrine TGF-β. Int J Oncol. 2012 Sep;41(3):959-68.
10. Liu X, Qu X, Chen Y, Liao L, Cheng K, Shao C, Zenke M, Keating A, Zhao RC. Mesenchymal stem/stromal cells induce the generation of novel IL-10-dependent regulatory dendritic cells by SOCS3 activation. J Immunol. 2012 Aug 1;189(3):1182-92.
11. Zeng Y, Qu X, Li H, Huang S, Wang S, Xu Q, Lin R, Han Q, Li J, Zhao RC. MicroRNA-100 regulates osteogenic differentiation of human adipose-derived mesenchymal stem cells by targeting BMPR2.FEBS Lett. 2012 Jul 30;586(16):2375-81.
12. Dou X, Zhang B, Liu R, Li J, Shi D, Lu C, Zhu X, Liao L, Du Z, Zhao RC. Expanding Sca-1(+) mammary stem cell in the presence of oestrogen and growth hormone. Clin Transl Oncol. 2012 Jun;14(6):444-51.
13. Qu X, Liu X, Cheng K, Yang R, Zhao RC. Mesenchymal stem cells inhibit Th17 cell differentiation by IL-10 secretion. Exp Hematol. 2012 Sep;40(9):761-70.
14. Wang S, Qu X, Zhao RC. Clinical applications of mesenchymal stem cells. J Hematol Oncol. 2012 Apr 30;5(1):19.
15. Huang S, Wang S, Bian C, Yang Z, Zhou H, Zeng Y, Li H, Han Q, Zhao RC. Upregulation of miR-22 Promotes Osteogenic Differentiation and Inhibits Adipogenic Differentiation of Human Adipose Tissue-Derived Mesenchymal Stem Cells by Repressing HDAC6 Protein Expression. Stem Cells Dev. 2012 Sep 1;21(13):2531-40.
16. Xuqian W, Kanghua L, Weihong Y, Xi Y, Rongping D, Qin H, Fangtian D, Chunhua Zhao R. Intraocular Transplantation of Human Adipose-Derived Mesenchymal Stem Cells in a Rabbit Model of Experimental Retinal Holes. Ophthalmic Res. 2011 Apr 5;46(4):199-207.
17. Zhuang Q, Li J, Wu Z, Zhang J, Sun W, Li T, Yan Y, Jiang Y, Zhao RC, Qiu G.. Differential proteome analysis of bone marrow mesenchymal stem cells from adolescent idiopathic scoliosis patients. PLoS One. 2011 Apr 22;6(4):e18834.
18. Kaiyan Liu, Yuhong Chen, Yang Zeng, Lanping Xu, Daihong Liu, Huan Chen, Xiaohui Zhang, Wei Han, Yu Wang, Ting Zhao, Jing Wang, Jingzhi Wang, Qin Han, Chunhua Zhao, Xiaojun Huang. Coinfusion of Mesenchymal Stromal Cells Facilitates Platelet Recovery Without Increasing Leukemia Recurrence in Haploidentical Hematopoietic Stem Cell Transplantation: A Randomized, Controlled Clinical Study. Stem Cells Dev. 2011 Oct;20(10):1679-85.
19. Zhu X, Wang L, Zhang B, Li J, Dou X, Zhao RC. TGF-{beta}1 induced PI3K/Akt/NF-KB/MMP9 signaling pathway is activated in Philadelphia chromosome-positive Chronic Myeloid Leukemia hemangioblasts. J Biochem. 2011 Apr;149(4):405-14. .
20. Sun Z, Han Q, Zhu Y, Li Z, Chen B, Liao L, Bian C, Li J, Shao C, Zhao RC. NANOG has a role in Mesenchymal stem cells' immunomodulatory effect. Stem Cells Dev. 2011 Sep;20(9):1521-8.
21. Lu C, Lu S, Liang W, Li J, Dou X, Bian C, Shi D, Liao L, Zhao RC. TAp63α mediates chemotherapeutic agent-induced apoptosis in human bone marrow mesenchymal stem cells. Stem Cells Dev. 2011 Aug;20(8):1319-26.
22. Li H, Bian C, Liao L, Li J, Zhao RC. miR-17-5p promotes human breast cancer cell migration and invasion through suppression of HBP1. Breast Cancer Res Treat. 2011 Apr;126(3):565-75.
23. Shi D, Liao L, Zhang B, Liu R, Dou X, Li J, Zhu X, Yu L, Chen D, Zhao RC. Human adipose tissue-derived mesenchymal stem cells facilitate the immunosuppressive effect of cyclosporin A on T lymphocytes through Jagged-1-mediated inhibition of NF-κB signaling. Exp Hematol. 2011 Feb;39(2):214-224.e1.
24. Lu S, Lu C, Han Q, Li J, Du Z, Liao L, Zhao RC. Adipose-derived mesenchymal stem cells protect PC12 cells from glutamate excitotoxicity-induced apoptosis by upregulation of XIAP through PI3-K/Akt activation. Toxicology. 2011 Jan 11;279(1-3):189-95.
25. Yang Z, Bian C, Zhou H, Huang S, Wang S, Liao L, Zhao RC. MicroRNA hsa-miR-138 inhibits adipogenic differentiation of human adipose tissue-derived mesenchymal stem cells through EID-1. Stem Cells Dev. 2011 Feb;20(2):259-67.
26. Du Z, Li J, Wang L, Bian C, Wang Q, Liao L, Dou X, Bian X, Zhao RC. Overexpression of ΔNp63α induces a stem cell phenotype in MCF7 breast carcinoma cell line through the Notch pathway. Cancer Sci. 2010 Nov;101(11):2417-24.
27. Yang Z, Li K, Yan X, Dong F, Zhao C. Amelioration of diabetic retinopathy by engrafted human adipose-derived mesenchymal stem cells in streptozotocin diabetic rats. Graefes Arch Clin Exp Ophthalmol. 2010 Oct;248(10):1415-22. Epub 2010 May 2.
28. Wu Y, Zhao RC, Tredget EE. Concise review: bone marrow-derived stem/progenitor cells in cutaneous repair and regeneration. Stem Cells. 2010 May;28(5):905-15.
29. Li J, Zhu H, Liu Y, Li Q, Lu S, Feng M, Xu Y, Huang L, Ma C, An Y, Zhao RC, Wang R, Qin C. Human mesenchymal stem cell transplantation protects against cerebral ischemic injury and upregulates interleukin-10 expression in Macaca fascicularis. Brain Res. 2010 Jun 2;1334:65-72. Epub 2010 Mar 28.
30. Liang W, Lu C, Li J, Yin JQ, Zhao RC. p73alpha regulates the sensitivity of bone marrow mesenchymal stem cells to DNA damage agents. Toxicology. 2010 Mar 30;270(1):49-56. Epub 2010 Jan 25.
31. Chen B, Hu J, Liao L, Sun Z, Han Q, Song Z, Zhao RC. Flk-1(+) mesenchymal stem cells aggravate collagen-induced arthritis by up-regulating interleukin-6. Clin Exp Immunol. 2010 Mar;159(3):292-302. Epub 2009 Dec 4.
32. Zhou H, Guo M, Bian C, Sun Z, Yang Z, Zeng Y, Ai H, Zhao RC. Efficacy of Bone Marrow-derived Mesenchymal Stem Cells in the Treatment for Sclerodermatous Chronic Graft-versus-Host Disease: A clinical report of four patients. Biol Blood Marrow Transplant. 2010 Mar;16(3):403-12. Epub 2009 Nov 17.
33. Li K, Han Q, Yan X, Liao L, Zhao RC. Not a process of simple vicariousness, the differentiation of human adipose-derived mesenchymal stem cells to renal tubular epithelial cells plays an important role in acute kidney injury repairing. Stem Cells Dev. 2010 Aug;19(8):1267-75. Epub 2009 Oct 29.
34. Wang J, Bian C, Liao L, Zhu Y, Li J, Zeng L, Zhao RC. Inhibition of hepatic stellate cells proliferation by mesenchymal stem cells and the possible mechanisms. Hepatol Res. 2009 Dec;39(12):1219-28. Epub 2009 Sep 25.
35. Guo M, Sun Z, Sun QY, Han Q, Yu CL, Wang DH, Qiao JH, Chen B, Sun WJ, Hu KX, Liu GX, Liu B, Zhao RC, Ai H. A modified haploidentical nonmyeloablative transplantation without T cell depletion for high-risk acute leukemia: successful engraftment and mild GVHD. Biol Blood Marrow Transplant. 2009 Aug;15(8):930-7.
36. Wang L, Zhao RC. Mesenchymal stem cells targeting the GVHD. Sci China C Life Sci. 2009 Jul;52(7):603-9. Epub 2009 Jul 30.
37. Wang S, Bian C, Yang Z, Bo Y, Li J, Zeng L, Zhou H, Zhao RC. miR-145 inhibits breast cancer cell growth through RTKN. Int J Oncol. 2009 May;34(5):1461-6.
38. Zhu Y, Sun Z, Han Q, Liao L, Wang J, Bian C, Li J, Yan X, Liu Y, Shao C, Zhao RC. Human mesenchymal stem cells inhibit cancer cell proliferation by secreting DKK-1. Leukemia. 2009 May;23(5):925-33. Epub 2009 Jan 15.
39. Bu Y, Lu C, Bian C, Wang J, Li J, Zhang B, Li Z, Brewer G, Zhao RC. Knockdown of Dicer in MCF-7 human breast carcinoma cells results in G1 arrest and increased sensitivity to cisplatin. Oncol Rep. 2009 Jan;21(1):13-7.
40. Zhang B, Liu R, Shi D, Liu X, Chen Y, Dou X, Zhu X, Lu C, Liang W, Liao L, Zenke M, Zhao RC. Mesenchymal stem cells induce mature dendritic cells into a novel Jagged-2 dependent regulatory dendritic cell population. Blood. 2009 Jan 1;113(1):46-57. Epub 2008 Oct 2.
41. Wang J, Bian C, Li J, Couch FJ, Wu K, Zhao RC. Poly(ADP-ribose) polymerase-1 down-regulates BRCA2 expression through the BRCA2 promoter. J Biol Chem. 2008 Dec 26;283(52):36249-56. Epub 2008 Nov 5.
42. Liao L, Zhao RC. An overview of stem cell-based clinical trials in China. Stem Cells Dev. 2008 Aug;17(4):613-8.
43. Zhao RC, Zhu YS, Shi Y. New hope for cancer treatment: Exploring the distinction between normal adult stem cells and cancer stem cells. Pharmacol Ther. 2008 Jul;119(1):74-82.
44. Yin JQ, Zhao RC, Morris KV. Profiling microRNA expression with microarrays. Trends Biotechnol. 2008 Feb;26(2):70-6.
45. Qiao L, Xu Z, Zhao T, Zhao Z, Shi M, Zhao RC, Ye L, Zhang X. Suppression of tumorigenesis by human mesenchymal stem cells in a hepatoma model. Cell Res. 2008 Apr;18(4):500-7.
46. Chen L, Zhang W, Yue H, Han Q, Chen B, Shi M, Li J, Li B, You S, Shi Y, Zhao RC. Effects of Human Mesenchymal Stem Cells on the Differentiation of Dendritic Cells from CD34(+) Cells. Stem Cells Dev. 2007 Oct;16(5):719-732.
47. Liu Y, Yan X, Sun Z, Chen B, Han Q, Li J, Zhao RC. Flk-1(+) Adipose-Derived Mesenchymal Stem Cells Differentiate into Skeletal Muscle Satellite Cells and Ameliorate Muscular Dystrophy in MDX Mice. Stem Cells Dev. 2007 Oct;16(5):695-706.
48. Li B, Shi M, Li J, Zhang H, Chen B, Chen L, Gao W, Giuliani N, Zhao RC. Elevated Tumor Necrosis Factor-alpha Suppresses TAZ Expression and Impairs Osteogenic Potential of Flk-1(+) Mesenchymal Stem Cells in Patients with Multiple Myeloma. Stem Cells Dev. 2007 Dec;16(6):921-30.
49. Yin JQ, Zhao RC. Identifying expression of new small RNAs by microarrays. Methods. 2007 Oct;43(2):123-30.
50. Yan X, Liu Y, Han Q, Jia M, Liao L, Qi M, Zhao RC. Injured microenvironment directly guides the differentiation of engrafted Flk-1(+) mesenchymal stem cell in lung. Exp Hematol. 2007 Sep;35(9):1466-75.
51. Shi M, Li J, Liao L, Chen B, Li B, Chen L, Jia H, Zhao RC. Regulation of CXCR4 expression in human mesenchymal stem cells by cytokine treatment: role in homing efficiency in NOD/SCID mice. Haematologica. 2007 Jul;92(7):897-904.
52. Ma J, Shi M, Li J, Chen B, Wang H, Li B, Hu J, Cao Y, Fang B, Zhao RC. Senescence-unrelated impediment of osteogenesis from Flk1+ bone marrow mesenchymal stem cells induced by total body irradiation and its contribution to long-term bone and hematopoietic injury. Haematologica. 2007 Jul;92(7):889-96.
53. Han Q, Sun Z, Liu L, Chen B, Cao Y, Li K, Zhao RC. Impairment in immuno-modulatory function of Flk1+CD31-CD34- MSCs from MDS-RA patients. Leuk Res. 2007 Nov;31(11):1469-78.
54. Liao L, Li L, Zhao RC. Stem cell research in China. Philos Trans R Soc Lond B Biol Sci. 2007 Jun 29;362(1482):1107-12.
55. Liu L, Sun Z, Chen B, Han Q, Liao L, Jia M, Cao Y, Ma J, Sun Q, Guo M, Liu Z, Ai H, Zhao RC. Ex vivo expansion and in vivo infusion of bone marrow-derived Flk-1+CD31-CD34- mesenchymal stem cells: feasibility and safety from monkey to human. Stem Cells Dev. 2006 Jun;15(3):349-57.
56. Ren H, Cao Y, Zhao Q, Li J, Zhou C, Liao L, Jia M, Zhao Q, Cai H, Han ZC, Yang R, Chen G, Zhao RC. Proliferation and differentiation of bone marrow stromal cells under hypoxic conditions. Biochem Biophys Res Commun. 2006 Aug 18;347(1):12-21.
57. Li J, Shi M, Cao Y, Yuan W, Pang T, Li B, Sun Z, Chen L, Zhao RC. Knockdown of hypoxia-inducible factor-1alpha in breast carcinoma MCF-7 cells results in reduced tumor growth and increased sensitivity to methotrexate. Biochem Biophys Res Commun. 2006 Apr 21;342(4):1341-51.
58. Deng W, Han Q, Liao L, You S, Deng H, Zhao RC. Effects of allogeneic bone marrow-derived mesenchymal stem cells on T and B lymphocytes from BXSB mice. DNA Cell Biol. 2005 Jul;24(7):458-63.
59. [He DN](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22He+DN%22%5BAuthor%5D), [Qin H](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Qin+H%22%5BAuthor%5D), [Liao L](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Liao+L%22%5BAuthor%5D), [Li N](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Li+N%22%5BAuthor%5D), [Zhu WM](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Zhu+WM%22%5BAuthor%5D), [Yu BJ](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Yu+BJ%22%5BAuthor%5D), [Wu X](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Wu+X%22%5BAuthor%5D), [Zhao RC.](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Zhao+RC%22%5BAuthor%5D), [Li JS](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?db=pubmed&cmd=Search&term=%22Li+JS%22%5BAuthor%5D). Small Intestinal Organoid-Derived SP Cells Contribute to Repair of Irradiation-Induced Skin Injury. Stem Cells Dev. 2005 Jun;14(3):285-91.
60. Zhao Z, Liao L, Cao Y, Jiang X, Zhao RC. Establishment and properties of fetal dermis-derived mesenchymal stem cell lines: plasticity in vitro and hematopoietic protection in vivo. BMT 2005 Aug;36(4):355-65.
61. Cao Y, Sun Z, Liao L, Meng Y, Han Q, Zhao RC. Human adipose tissue-derived stem cells differentiate into endothelial cells in vitro and improve postnatal neovascularization in vivo. Biochem Biophys Res Commun. 2005 Jul 1;332(2):370-9.
62. Deng W, Han Q, Liao L, Li C, Ge W, Zhao Z, You S, Deng H, Murad F, Zhao RC. Engrafted bone marrow-derived Flk1+ mesenchymal stem cells regenerate skin tissue. Tissue Eng. 2005 Jan-Feb;11(1-2):110-9.
63. Fang B, Zheng C, Liao L, Han Q, Sun Z, Jiang X, Zhao RC. Identification of human chronic myelogenous leukemia progenitor cells with hemangioblastic characteristics. Blood. 2005 Apr 1;105(7):2733-40.
64. Chen SL, Fang WW, Qian J, Ye F, Liu YH, Shan SJ, Zhang JJ, Lin S, Liao LM, Zhao RC. Improvement of cardiac function after transplantation of autologous bone marrow mesenchymal stem cells in patients with acute myocardial infarction. Chin Med J (Engl). 2004 Oct;117(10):1443-8.
65. Deng W, Han Q, Liao L, Li C, Ge W, Zhao Z, You S, Deng H, Zhao RC. Allogeneic bone marrow-derived Flk1+Sca-1- mesenchymal stem cells leads to stable mixed chimerism and donor-specific tolerance. Exp Hematol. 2004 Sep;32(9):861-7.
66. Fang B, Shi M, Liao L, Yang S, Liu Y, Zhao RC. Systemic infusion of Flk1+ mesenchymal stem cells ameliorate carbon tetrachloride-induced liver fibrosis in mice. Transplantation. 2004 Jul 15;78(1):83-8.
67. [Chen SL, Fang WW, Ye F, Liu YH, Qian J, Shan SJ, Zhang JJ](http://www.ncbi.nlm.nih.gov/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15219514), Zhao RC. Effect on left ventricular function of intracoronary transplantation of autologous bone marrow mesenchymal stem cell in patients with acute myocardial infarction. Am J Cardiol. 2004 Jul 1;94(1):92-5.
68. Zhang W, Ge W, Li C, You S, Liao L, Han Q, Deng W, Zhao RC. Effects of mesenchymal stem cells on differentiation, maturation, and function of human monocyte-derived dendritic cells. Stem Cells Dev. 2004 Jun;13(3):263-71.
69. Zhao RC, Liao L, Han Q. Mechanisms of and perspectives on the mesenchymal stem cell in immunotherapy. J Lab Clin Med. 2004 May;143(5):284-91.
70. Fang B, Liao L, Shi M, Yang S, Zhao RC. Multipotency of Flk1+CD34- progenitors derived from human fetal bone marrow. J Lab Clin Med. 2004 Apr;143(4):230-40.
71. Fang BJ, Yu ML, Yang SG, Liao LM, Liu JW, Zhao RC. Effect of O-4-ethoxyl-butyl-berbamine in combination with pegylated liposomal doxorubicin on advanced hepatoma in mice. World J Gastroenterol. 2004 Apr 1;10(7):950-3.
72. Fang B, Shi M, Liao L, Yang S, Liu Y, Zhao RC. Multiorgan engraftment and multilineage differentiation by human fetal bone marrow Flk1+CD31-CD34- Progenitors. J Hematother Stem Cell Res. 2003 Dec;12(6):603-13.
73. Guo H, Fang B, Liao L, Zhao Z, Liu J, Chen H, Hsu SH, Cui Q, Zhao RC. Hemangioblastic characteristics of fetal bone marrow-derived Flk1+CD31-CD34- cells. Exp Hematol. 2003 Jul;31(7):650-8.
74. Hu Y, Liao L, Wang Q, Ma L, Ma G, Jiang X, Zhao RC. Isolation and identification of mesenchymal stem cells from human fetal pancreas. J Lab Clin Med. 2003 May;141(5):342-9.
75. Li M, You S, Ge W, Ma S, Ma N, Zhao C. Induction of T-cell immunity against leukemia by dendritic cells pulsed with total RNA isolated from leukemia cells. Chin Med J (Engl). 2003 Nov;116(11):1655-61.
76. Zhao RC. Perspectives: on being a visiting scientist. J Lab Clin Med. 2002 Apr;139(4):192-3.
77. Guo Hong, Hu Ying, L iao Lianming, Jiang Xueyin, Liu Jiewen, Ma Li, Ma Guanjie, Zhao Zhigang, Yang Shaoguang, Zhao Chunhua. postembryonic subtotipotent stem cells derived from a variety of fetal tissues have multiple differentiation potential and greatly contribute to stem cell plasticity. China J Modern Medicine. 2002 Aug 12(16):1-9.
78. Zhao RC, Jiang Y, Verfaillie CM. A model of human p210(bcr/ABL)-mediated chronic myelogenous leukemia by transduction of primary normal human CD34+ cells with a BCR/ABL-containing retroviral vector. Blood. 2001 Apr 15;97(8):2406-12.
79. Zhao RC, McIvor RS, Griffin JD, Verfaillie CM. Gene therapy for chronic myelogenous leukemia (CML): a retroviral vector that renders hematopoietic progenitors methotrexate-resistant and CML progenitors functionally normal and nontumorigenic in vivo. Blood. 1997 Dec 15;90(12):4687-98.
80. Zhao C, Tang P, Mao N, Zhang S, Fan E, Dong B, Li Q, Du D. Erythropoietin-like activity in vivo of the fusion protein rhIL-6/IL-2 (CH925). Exp Hematol. 1996 Jan;24(1):54-8.
81. Zhao C, Tang P, Wang J, Mao N, Jiang F, Li X, Liu X, Zhang M, Ren Y, Du D. Overexpression and characterization of recombinant human fusion protein IL-6/IL-2 (CH925). Stem Cells. 1994 May;12(3):339-47.
82. Leng ZK, Yin D, Zhao Z, Yan M, Yang Y, He X, **Zhao RC**, Liu H. A survey of 434 clinical trials about coronavirus disease 2019 in China. J Med Virol. 2020 Mar 1–3.
83. Zhuang Q, Ye B, Hui S, Du Y, **Zhao RC**, Li J, Wu Z, Li N, Zhang Y, Li H, Wang S, Yang Y, Li S, Zhao H, Fan Z, Qiu G, Zhang J. Long noncoding RNA lncAIS downregulation in mesenchymal stem cells is implicated in the pathogenesis of adolescent idiopathic scoliosis. Cell Death Differ. 2018 Nov 21.
84. Huang Y, Wei L, **Zhao RC**, Liang WB, Zhang J, Ding XQ, Li ZL, Sun CJ, Li B, Liu QY, He JY, Yu XQ, Gao B, Chen MM, Sun AM, Qin Y. Predicting hepatocellular carcinoma development for cirrhosis patients via methylation detection of heparocarcinogenesis-related genes. J Cancer. 2018 Jun 4;9(12):2203-2210.
85. [Wang Y](https://www.ncbi.nlm.nih.gov/pubmed/?term=Wang%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Liu J](https://www.ncbi.nlm.nih.gov/pubmed/?term=Liu%20J%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Jiang Q](https://www.ncbi.nlm.nih.gov/pubmed/?term=Jiang%20Q%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Deng J](https://www.ncbi.nlm.nih.gov/pubmed/?term=Deng%20J%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Xu F](https://www.ncbi.nlm.nih.gov/pubmed/?term=Xu%20F%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Chen X](https://www.ncbi.nlm.nih.gov/pubmed/?term=Chen%20X%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Cheng F](https://www.ncbi.nlm.nih.gov/pubmed/?term=Cheng%20F%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Zhang Y](https://www.ncbi.nlm.nih.gov/pubmed/?term=Zhang%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Yao Y](https://www.ncbi.nlm.nih.gov/pubmed/?term=Yao%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Xia Z](https://www.ncbi.nlm.nih.gov/pubmed/?term=Xia%20Z%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Xu X](https://www.ncbi.nlm.nih.gov/pubmed/?term=Xu%20X%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Su X](https://www.ncbi.nlm.nih.gov/pubmed/?term=Su%20X%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Huang M](https://www.ncbi.nlm.nih.gov/pubmed/?term=Huang%20M%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Dai L](https://www.ncbi.nlm.nih.gov/pubmed/?term=Dai%20L%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Yang Y](https://www.ncbi.nlm.nih.gov/pubmed/?term=Yang%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Zhang S](https://www.ncbi.nlm.nih.gov/pubmed/?term=Zhang%20S%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Yu D](https://www.ncbi.nlm.nih.gov/pubmed/?term=Yu%20D%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), **Zhao RC**, [Wei Y](https://www.ncbi.nlm.nih.gov/pubmed/?term=Wei%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=28514506), [Deng H](https://www.ncbi.nlm.nih.gov/pubmed/?term=Deng%20H%5BAuthor%5D&cauthor=true&cauthor_uid=28514506). Human Adipose-Derived Mesenchymal Stem Cell-Secreted CXCL1 and CXCL8 Facilitate Breast Tumor Growth by Promoting Angiogenesis. [Stem Cells.](https://www.ncbi.nlm.nih.gov/pubmed/28514506) 2017 May 17. doi: 10.1002/stem.2643. [Epub ahead of print]
86. Li T, Li H, Wang Y, Li T, Fan J, Xiao K, **Zhao RC**, Weng X. microRNA-23a inhibits osteogenic differentiation of human bone marrow-derived mesenchymal stem cells by targeting LRP5. [Int J Biochem Cell Biol.](https://www.ncbi.nlm.nih.gov/pubmed/?term=Y1%2C+Li+T2%2C+Fan+J2%2C+Xiao+K3%2C+Zhao+RC2%2C+Weng+X4.+microRNA-23a+inhibits+osteogenic+differentiation+of+human+bone+marrow-derived+mesenchymal+stem+cells+by+targeting+LRP5.+Int+J+Biochem+Cell) 2016 Mar;72:55-62.
87. Fu Y, Deng J, Jiang Q, Wang Y, Zhang Y, Yao Y, Cheng F, Chen X, Xu F, Huang M,, Yang Y, Zhang S, Yu D, **Zhao RC**, Wei Y, Deng H. Rapid generation of functional hepatocyte-like cells from human adipose-derived stem cells.Stem Cell Res Ther. 2016 Aug 5;7(1):105.
88. **Zhao RC**, Zhou J, He JY, Wei YG, Qin Y, Li B. Aberrant promoter methylation of SOCS-1 gene may contribute to the pathogenesis of hepatocellular carcinoma: a meta-analysis. J BUON. 2016 Jan-Feb;21(1):142-51.
89. Ma X, Chen J, Xu B, Long X, Qin H, **Zhao RC**, Wang X. Keloid-derived keratinocytes acquire a fibroblast-like appearance and an enhanced invasive capacity in a hypoxic microenvironment in vitro. Int J Mol Med. 2015 May;35(5):1246-56.
90. Bian Y, Qian W, Li H, **Zhao RC**, Shan WX, Weng X. Pathogenesis of glucocorticoid-induced avascular necrosis: A microarray analysis of gene expression in vitro. Int J Mol Med. 2015 Sep;36(3):678-84.
91. Wang S, Guo L, Ge J, Yu L, Cai T, Tian R, **Zhao RC**, Wu Y.Excess integrins cause lung entrapment of mesenchymal stem cells. Stem Cells. 2015 Nov;33(11):3315-26.
92. Du S, Guan J, Mao G, Liu Y, Ma S, Bao X, Gao J, Feng M, Li G, Ma W, Yang Y, **Zhao RC**, Wang R. [Intra-arterial delivery of human bone marrow mesenchymal stem cells is a safe and effective way to treat cerebral ischemia in rats.](http://www.ncbi.nlm.nih.gov/pubmed/25372507)Cell Transplant. 2014;23 Suppl 1:73-82.
93. Wang X, Qin J, **Zhao RC**, Zenke M. [Reduced immunogenicity of induced pluripotent stem cells derived from sertoli cells.](http://www.ncbi.nlm.nih.gov/pubmed/25166861)PLoS One. [PLoS One.](http://www.ncbi.nlm.nih.gov/pubmed/25166861) 2014 Aug 28;9(8):e106110.
94. [Ge J](http://www.ncbi.nlm.nih.gov/pubmed?term=Ge%20J%5BAuthor%5D&cauthor=true&cauthor_uid=24390934), [Guo L](http://www.ncbi.nlm.nih.gov/pubmed?term=Guo%20L%5BAuthor%5D&cauthor=true&cauthor_uid=24390934), [Wang S](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20S%5BAuthor%5D&cauthor=true&cauthor_uid=24390934), [Zhang Y](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhang%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=24390934), [Cai T](http://www.ncbi.nlm.nih.gov/pubmed?term=Cai%20T%5BAuthor%5D&cauthor=true&cauthor_uid=24390934), **Zhao RC**, [Wu Y](http://www.ncbi.nlm.nih.gov/pubmed?term=Wu%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=24390934). The Size of Mesenchymal Stem Cells is a Significant Cause of Vascular Obstructions and Stroke. [Stem Cell Rev.](http://www.ncbi.nlm.nih.gov/pubmed/?term=6.%09Ge+J%2C+Guo+L%2C+Wang+S%2C+Zhang+Y%2C+Cai+T%2C+Zhao+RC%2C+Wu+Y.+The+Size+of+Mesenchymal+Stem+Cells+is+a+Significant+Cause+of+Vascular+Obstructions+and+Stroke.+Stem+Cell+Rev.+2014+Jan+7.) 2014 Apr;10(2):295-303.
95. [Guo L](http://www.ncbi.nlm.nih.gov/pubmed?term=Guo%20L%5BAuthor%5D&cauthor=true&cauthor_uid=24341685), [Ge J](http://www.ncbi.nlm.nih.gov/pubmed?term=Ge%20J%5BAuthor%5D&cauthor=true&cauthor_uid=24341685), [Zhou Y](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhou%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=24341685), [Wang S](http://www.ncbi.nlm.nih.gov/pubmed?term=Wang%20S%5BAuthor%5D&cauthor=true&cauthor_uid=24341685), **Zhao RC**, [Wu Y](http://www.ncbi.nlm.nih.gov/pubmed?term=Wu%20Y%5BAuthor%5D&cauthor=true&cauthor_uid=24341685). 3D Sp heroid Cultured Mesenchymal Stem Cells Devoid of Embolism Attenuate Brain Stroke Injury after Intra-arterial Injection. [Stem Cells Dev.](http://www.ncbi.nlm.nih.gov/pubmed/?term=3D+Sp+heroid+Cultured+Mesenchymal+Stem+Cells+Devoid+of+Embolism+Attenuate+Brain+Stroke+Injury+after+Intra-arterial+Injection.+Stem+Cells+Dev.+2013+Dec+16.) 2014 May 1;23(9):978-89.
96. Feng M, Li Y, Han Q, Bao X, Yang M, Zhu H, Li Q, Wei J, Ma W, Gao H, An Y, **Zhao RC**, Qin C, Wang R. [Preclinical Safety Evaluation of Human Mesenchymal Stem Cell Transplantation in Cerebrum of Nonhuman Primates.](http://www.ncbi.nlm.nih.gov/pubmed/25136035)Int J Toxicol. 2014 Sep;33(5):403-11.
97. Qin J, Sontag S, Lin Q, Mitzka S, Leisten I, Schneider RK, Wang X, Jauch A, Peitz M, Brüstle O, Wagner W, **Zhao RC**, Zenke M. [Cell Fusion Enhances Mesendodermal Differentiation of Human Induced Pluripotent Stem Cells.](http://www.ncbi.nlm.nih.gov/pubmed/25004077)Stem Cells Dev. 2014 Aug 11. [Epub ahead of print]
98. [Lin EH](http://www.ncbi.nlm.nih.gov/pubmed?term=Lin%20EH%5BAuthor%5D&cauthor=true&cauthor_uid=24939153)1, [Liao MX](http://www.ncbi.nlm.nih.gov/pubmed?term=Liao%20MX%5BAuthor%5D&cauthor=true&cauthor_uid=24939153), **Zhao RC**, [Mao N](http://www.ncbi.nlm.nih.gov/pubmed?term=Mao%20N%5BAuthor%5D&cauthor=true&cauthor_uid=24939153), [Zhang X](http://www.ncbi.nlm.nih.gov/pubmed?term=Zhang%20X%5BAuthor%5D&cauthor=true&cauthor_uid=24939153). Pei hsien tang, MD. [Stem Cells.](http://www.ncbi.nlm.nih.gov/pubmed/24939153) 2014 Jul;32(7):1998.
99. Guan J, Zhu Z, Zhao RC, Xiao Z, Wu C, Han Q, Chen L, Tong W, Zhang J, Han Q, Gao J, Feng M, Bao X, Dai J, Wang R, **Zhao RC**. Transplantation of human mesenchymal stem cells loaded on collagen scaffolds for the treatment of traumatic brain injury in rats. Biomaterials. 2013 Aug;34(24):5937-46.
100. Bao XJ, Liu FY, Lu S, Han Q, Feng M, Wei JJ, Li GL, **Zhao RC**, Wang RZ. Transplantation of Flk-1+ human bone marrow-derived mesenchymal stem cells promotes behavioral recovery and anti-inflammatory and angiogenesis effects in an intracerebral hemorrhage rat model. Int J Mol Med. 2013 May;31(5):1087-96.
101. Liang W, Xia H, Li J, **Zhao RC**. Human adipose tissue derived mesenchymal stem cells are resistant to several chemotherapeutic agents. Cytotechnology. 2011 Oct;63(5):523-30. Epub 2011 Jul 15.
102. Wu Y, **Zhao RC**. The Role of Chemokines in Mesenchymal Stem Cell Homing to Myocardium. Stem Cell Rev. 2011 Jun 25.
103. Li Z, Liu C, Xie Z, Song P, **Zhao RC**, Guo L, Liu Z, Wu Y. Epigenetic dysregulation in mesenchymal stem cell aging and spontaneous differentiation. PLoS One. 2011;6(6):e20526. Epub 2011 Jun 9.
104. Bao X, Feng M, Wei J, Han Q, Zhao H, Li G, Zhu Z, Xing H, An Y, Qin C, **Zhao RC**, Wang R. Transplantation of Flk-1+ human bone marrow-derived mesenchymal stem cells promotes angiogenesis and neurogenesis after cerebral ischemia in rats. Eur J Neurosci. 2011 Jul;34(1):87-98.
105. Fang B, Mai L, Li N, Song Y, **Chunhua Zhao R**. Imatinib plus Granulocyte Colony-Stimulating Factor in Chronic Myeloid Leukemia Patients Who Have Achieved Partial or Complete Cytogenetic Response while on Imatinib. Case Rep Oncol. 2011 Apr 2;4(1):192-7.
106. Su W, Zhou M, Zheng Y, Fan Y, Wang L, Han Z, Kong D, **Zhao RC**, Wu JC, Xiang R, Li Z. Bioluminescence reporter gene imaging characterize human embryonic stem cell-derived teratoma formation. J Cell Biochem. 2011 Mar;112(3):840-8. doi: 10.1002/jcb.22982.
107. Guo L, **Zhao RC**, Wu Y. The role of miRNAs in self-renewal and differentiation of mesenchymal stem cells. Exp Hematol. 2011 Jun;39(6):608-16. Epub 2011 Feb 1. Review
108. Li JM, Zhu H, Lu S, Liu Y, Li Q, Ravenscroft P, Xu YF, Huang L, Ma CM, Bezard E, **Zhao RC**, Wang R, Qin C. Migration and differentiation of human mesenchymal stem cells in the normal rat brain. Neurol Res. 2011 Jan;33(1):84-92.
109. Guo L, **Zhao RC**, Wu Y. The role of microRNAs in self-renewal and differentiation of mesenchymal stem cells. Exp Hematol. 2011 Jun;39(6):608-16. Epub 2011 Feb 1. Review.
110. Feng M, Zhu H, Zhu Z, Wei J, Lu S, Li Q, Zhang N, Li G, Li F, Ma W, An Y, **Zhao RC**, Qin C, Wang R. Serial 18F-FDG PET demonstrates benefit of human mesenchymal stem cells in treatment of intracerebral hematoma: a translational study in a primate model. J Nucl Med. 2011 Jan;52(1):90-7. Epub 2010 Dec 13.
111. Bao X, Wei J, Feng M, Lu S, Li G, Dou W, Ma W, Ma S, An Y, Qin C, **Zhao RC**, Wang R. Transplantation of human bone marrow-derived mesenchymal stem cells promotes behavioral recovery and endogenous neurogenesis after cerebral ischemia in rats. Brain Res. 2011 Jan 7;1367:103-13. Epub 2010 Oct 23.
112. Fang B, Li Y, Song Y, Li N, Cao Y, Wei X, Lin Q, **Zhao RC**. Human adipose tissue-derived adult stem cells can lead to multiorgan engraftment. Transplant Proc. 2010 Jun;42(5):1849-56.
113. Fang B, Li N, Song Y, Han Q, **Zhao RC**. Standard-dose imatinib plus low-dose homoharringtonine and granulocyte colony-stimulating factor is an effective induction therapy for patients with chronic myeloid leukemia in myeloid blast crisis who have failed prior single-agent therapy with imatinib. Ann Hematol. 2010 May 25. [Epub ahead of print]
114. Ma J, Meng Y, Kwiatkowski DJ, Chen X, Peng H, Sun Q, Zha X, Wang F, Wang Y, Jing Y, Zhang S, Chen R, Wang L, Wu E, Cai G, Malinowska-Kolodziej I, Liao Q, Liu Y, Zhao Y, Sun Q, Xu K, Dai J, Han J, Wu L, **Zhao RC**, Shen H, Zhang H. Mammalian target of rapamycin regulates murine and human cell differentiation through STAT3/p63/Jagged/Notch cascade. J Clin Invest. 2010 Jan;120(1):103-14.
115. Fang B, Luo S, Song Y, Li N, Li H, **Zhao RC**. Intermittent dosing of G-CSF to ameliorate carbon tetrachloride-induced liver fibrosis in mice. Toxicology. 2009 Dec 11.
116. Fang B, Song YP, Li N, Li J, Han Q, **Zhao RC**. Resolution of refractory chronic autoimmune thrombocytopenic purpura following mesenchymal stem cell transplantation: a case report. Transplant Proc. 2009 Jun;41(5):1827-30.
117. Fang B, Li N, Song Y, Lin Q, **Zhao RC.** Comparison of human post-embryonic, multipotent stem cells derived from various tissues. Biotechnol Lett. 2009 Mar 21. [Epub ahead of print]
118. Fang B, Song Y, Li N, Li J, Han Q, **Zhao RC**. Mesenchymal stem cells for the treatment of refractory pure red cell aplasia after major ABO-incompatible hematopoietic stem cell transplantation. Ann Hematol. 2008 Sep 4. [Epub ahead of print]
119. Fang B, Li N, Song Y, Li J, **Zhao RC**, Ma Y. Cotransplantation of haploidentical mesenchymal stem cells to enhance engraftment of hematopoietic stem cells and to reduce the risk of graft failure in two children with severe aplastic anemia. Pediatr Transplant. 2009 Jun;13(4)499-502. Epub 2008 Jul 30.
120. Fang B, Song Y, Li N, Li J, **Zhao RC**. Cotransplantation of haploidentical mesenchymal stem cells to reduce the risk of graft failure in a patient with refractory severe aplastic anemia.Acta Haematol. 2008;119(3):162-5. Epub 2008 May 20. No abstract available.
121. Ren G, Zhang L, Zhao X, Xu G, Zhang Y, Roberts AI, **Zhao RC**, Shi Y. Mesenchymal stem cell-mediated immunosuppression occurs via concerted action of chemokines and nitric oxide. Cell Stem Cell. 2008 Feb 7;2(2):141-50.
122. Xu G, Zhang L, Ren G, Yuan Z, Zhang Y, **Zhao RC**, Shi Y. Immunosuppressive properties of cloned bone marrow mesenchymal stem cells. Cell Res. 2007 Mar;17(3):240-8.
123. Fang B, Song Y, Liao L, Zhang Y, **Zhao RC**. Favorable response to human adipose tissue-derived mesenchymal stem cells in steroid-refractory acute graft-versus-host disease.Transplant Proc. 2007 Dec;39(10):3358-62.
124. Fang B, Song Y, Lin Q, Zhang Y, Cao Y, **Zhao RC**, Ma Y. Human adipose tissue-derived mesenchymal stromal cells as salvage therapy for treatment of severe refractory acute graft-vs.-host disease in two children. Pediatr Transplant. 2007 Nov;11(7):814-7.
125. Fang B, Song Y, Lin Q, Zhang Y, Cao Y, **Zhao RC**, Ma Y. Human adipose tissue-derived mesenchymal stromal cells as salvage therapy for treatment of severe refractory acute graft-vs.-host disease in two children. Pediatr Transplant. 2007 Nov;11(7):814-7.
126. Fang B, Song Y, **Zhao RC**, Han Q, Lin Q. Using human adipose tissue-derived mesenchymal stem cells as salvage therapy for hepatic graft-versus-host disease resembling acute hepatitis. Transplant Proc. 2007 Jun;39(5):1710-3.
127. Fang B, Song Y, **Zhao RC**, Han Q, Cao Y. Treatment of resistant pure red cell aplasia after major abo-incompatible bone marrow transplantation with human adipose tissue-derived mesenchymal stem cells. Am J Hematol. 2007 Aug;82(8):772-3.
128. Fang B, Song Y, Ma J, **Zhao RC**. Severe Epidermal Necrolysis after Bortezomib Treatment for Multiple Myeloma. Acta Haematol. 2007 May 15;118(2):65-67
129. Fang B, Song Y, Han Z, Wei X, Lin Q, Zhu X, Yang R, Sun J, Tian G, Liu X, Cao G, Shi Y, Nie N, Li D, **Zhao RC**. Synergistic interactions between 12-0-tetradecanoylphorbol-13-acetate (TPA) and imatinib in patients with chronic myeloid leukemia in blastic phase that is resistant to standard-dose imatinib. Leuk Res. 2007 Oct;31(10):1441-4.
130. Fang B, Song YP, Liao LM, Han Q, **Zhao RC**. Treatment of severe therapy-resistant acute graft-versus-host disease with human adipose tissue-derived mesenchymal stem cells. Bone Marrow Transplant. 2006 Sep;38(5):389-90.
131. Pan C, Nelson MS, Reyes M, Koodie L, Brazil JJ, Stephenson EJ, **Zhao RC**, Peters C, Selleck SB, Stringer SE, Gupta P. Functional abnormalities of heparan sulfate in mucopolysaccharidosis-I are associated with defective biologic activity of FGF-2 on human multipotent progenitor cells. Blood. 2005 Sep 15;106(6):1956-64.
132. Zou X, Wang D, Qiu G, Ji C, Jin F, Wu M, Zheng H, Li X, Sun L, Wang Y, Tang R, **Zhao RC**, Mao Y. Molecular cloning and characterization of a novel human C4orf13 gene, tentatively a member of the sodium bile acid cotransporter family. Biochem Genet. 2005 Apr;43(3-4):165-73.
133. [Ye X, Ji C, Yin G, Tang R, Zeng L, Gu S, Ying K, Xie Y, **Zhao RC**, Mao Y.](http://www.ncbi.nlm.nih.gov:80/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15040456) Characterization of a human Sec14-like protein cDNA SEC14L3 highly homologous to human SPF/TAP. Mol Biol Rep. 2004 Mar;31(1):59-63.
134. [Zhao E, Li Y, Fu X, Zhang JY, Zeng H, Zeng L, Lin Y, Chen J, Yin G, Qian J, Ying K, Xie Y, **Zhao RC**, Mao YM.](http://www.ncbi.nlm.nih.gov:80/entrez/query.fcgi?cmd=Retrieve&db=pubmed&dopt=Abstract&list_uids=15068588) Cloning and expression of human GTDC1 gene (glycosyltransferase-like domain containing 1) from human fetal library. DNA Cell Biol. 2004 Mar;23(3):183-7.
135. Ye X, Ji C, Yin G, Tang R, Zeng L, Gu S, Ying K, Xie Y, **Zhao RC**, Mao Y. Characterization of a human Sec14-like protein cDNA SEC14L3 highly homologous to human SPF/TAP. Mol Biol Rep. 2004 Mar;31(1):59-63.
136. Zhao E, Li J, Xie Y, Jin W, Zhang Z, Chen J, Zeng L, Yin G, Qian J, Wu H, Ying K, **Zhao RC**, Mao Y. Cloning and identification of a novel human RNPC3 gene that encodes a protein with two RRM domains and is expressed in the cell nucleus. Biochem Genet. 2003 Oct;41(9-10):315-23.
137. Zhao E, Li Y, Fu X, Zeng L, Zeng H, Jin W, Chen J, Yin G, Qian J, Ying K, Xie Y, **Zhao RC**, Mao Y. Cloning and characterization of human synaptotagmin 10 gene. DNA Seq. 2003 Oct;14(5):393-8.
138. Yin G, Dai J, Ji C, Ni X, Shu G, Ye X, Dai J, Wu Q, Gu S, Xie Y, **Zhao RC**, Mao Y. Cloning and characterization of the human IFT20 gene. Mol Biol Rep. 2003 Dec;30(4):255-60.
139. Jianfeng Dai, Yi Xie, Qihan Wu, Liu Wang, Gang Yin, Xin Ye, Li Zeng, Jian Xu, Chaoneng Ji, Shaohua Gu, Qingshan Huang, **Zhao RCH** Yumin Mao. Molecular cloning and characterization of a novel human hydroxysteroid dehydrogenase-like2 (HSDL2) cDNA from fetal brain. Biochemical Genetics. 2003, Jun;41(5-6):165-74.
140. Ni X, Ji C, Cao G, Cheng H, Guo L, Gu S, Ying K, **Zhao RC**, Mao Y. Molecular cloning and characterization of the protein 4.1O gene, a novel member of the protein 4.1 family with focal expression in ovary. J Hum Genet. 2003;48(2):101-6.
141. Wang L, Xu J, Wu Q, Dai J, Ye X, Zeng L, Ji C, Gu S, **Zhao RC**, Xie Y, Mao Y. Cloning and characterization of a novel splice variant of the brain-specific protein densin-180. Int J Mol Med. 2003 Feb;11(2):257-60.
142. Cui Q, Yip HK, **Zhao RC**, So KF, Harvey AR. Intraocular elevation of cyclic AMP potentiates ciliary neurotrophic factor-induced regeneration of adult rat retinal ganglion cell axons. Molecular and Cellular Neuroscience. 2003:22 49-61.
143. Tan Y, Li G, **Zhao RC,** Wang J, Zhao H, Xue Y, Han M, Yang C. Expression of sorcin predicts poor outcome in acute myeloid leukemia. Leuk Res 2003 Feb;27(2):125-31.
144. Nakajima H, **Zhao RC,** Miller JS. The BCR/ABL transgene causes abnormal NK cell differentiation and can be found in circulating NK cells of advanced phase chronic myelogenous leukemia patients. J Immunol 2002;15;168(2):643-50
145. Liu Wang, Jian Xu, Li Zeng, Xin Ye, Qihan Wu, Jianfeng Dai, Chaoneng Ji, Shaohua Gu, **Zhao RCH**, Yi Xie, Yumin Mao. Cloning and characterization of a novel human STAR domain containing cDNA KHDRBS2. 2002, Mol Biol Rep, 29(4):369-375.
146. Jiang Y, **Zhao RC**, Verfaillie CM: Abnormal integrin-mediated regulation of CML CD34+ cell proliferation: BCR/ABL upregulates the cdki p27, which is relocated to the cell cytoplasm and incapable of regulation cdk2 activity. PNAS .2000;97:10538-10543
147. Verfaillie CM, McIvor RS, **Zhao RC**. Gene therapy for CML. Molecular. Med. Today 1999; 5:359-366
148. Verfaillie CM, Prosper F, Liu J, Weber E, **Zhao RC**, Bhatia R. “Role of integrins in hematopoiesis”. Hematol Citocinas Inmunoter Ter Cel 1998, 1: 257-270.
149. Verfaillie CM, Hurley R, Lundell B, **Zhao RC**, et al: Pathophysiology of CML: Do defects in integrin function contribute to the premature circulation and massive expansion of the BCR/ABL positive clone? J of Laboratory & Clinical Medicine. 1997; 129:584-91
150. Verfaillie CM, Hurley R, Lundell B, **Zhao RC**, et al: Integrin-mediated regulation of hematopoiesis: Do BCR/ABL-induced defects in integrin function underlie the abnormal circulation and proliferation of CML progenitors? Acta Haematol 1997; 97:40-52
151. Verfaillie CM, Hurley R, **Zhao RC**, Prosper F, Delforge M, Bhatia R. Pathophysiology of CML: do defects in integrin function contribute to the premature circulation and massive expansion of the BCR/ABL positive clone? J Lab Clin Med. 1997 Jun;129(6):584-91. Review.

**BOOKS**

“Stem Cells: Basics and Clinical Translation” in English, **Zhao Robert Chunhua** (Editor): Springer. 2015.

“Essentials of Mesenchymal Stem Cell Biology and Its Clinical Translation” in English, **Zhao** **Robert Chunhua** (Editor): Springer. Feb 2013.

“BLOOD DISEASE: Research and Clinic” in Chinese, edited by Hao Yushu, **Zhao CH**: Chinese Science and Technology Publishing House. Shanghai. Aug 2006.

“STEM CELL: Basic Research and Medical Applications”in Chinese, **Zhao Robert Chunhua** (Editor): Beijing HUAGONG Publishing House. May 2006.

**INVITED SYMPOSIA/SELECTED PRESENTATIONS**

Chairman

Keynote speaker 12/2019 The Second International Annual Meeting on Biology and Medicine, Beijing China

Keynote speaker 11/2018 International Symposium on acupuncture and moxibustion, Paris, France

Co-Chair 10/2018 International Conference on Aging and Disease, Nice France (<http://www.isoad.org/Data/List/Conference-Committee>)

Keynote speaker 08/2017 The Ten Annual Conference of International Association of Neurorestoratology (IANR), Buenos Aires, Argentina

Chairman 9/2017 International Annual Meeting on Biology and Medicine

(The Heshan Forum), Qingdao China

Coordinator China 10/2015 ISO/TC 276 Working Groups Meetings, Tokyo, Japan

Keynote speaker 4/2014 ThymOz-VII: An International Workshop on Thymus Biology, Heron Island Australia

Keynote speaker 11/2013 14th National Congress of Experimental Hematology, Shanghai China

Keynote speaker 1/2013 18th Medical Research Conference, Hong Kong China

Scientific report by “Immunity”: Spotlight on China-Supplement to Immunity 2013: Where Stem Cells And Immunity Intersect

Invited speaker 8/2012 Sino-German-Workshop

Invited speaker 7/2012 CAS Structural Immunology & Stem Cell Symposium 2012, Kunming China

Invited speaker 5/2012 World Congress on Medical Physics and Biomedical Engineering, Beijing China

Invited speaker 4/2012 Translational Medicine Forum of Li Ka Shing Faculty of Medicine, The University of Hong Kong,

Invited speaker 4/2012 The Fourth Stem Cell Forum in Hangzhou, Hangzhou China

Invited speaker 10/2011 International Symposium on Mesenchymal Stem Cells 2011, Chengdu China

Invited speaker 6/2011 2011 Sino-American Symposium on Clinical and Translational Medicine, Shanghai China

Invited speaker 10/2010 International Society for Laboratory Hematology Annual Meeting of 2010, Melbourne, Australia

Invited speaker 5/2009 International Conference on Regenerative Medicine, Beijing China

Invited speaker 10/2008 Tianjin International Stem Cell Forum (2008), Tianjin China

Invited speaker 9/2006 international society for path physiology, Beijing China

Keynote speaker 4/2006 ThymOz V Conference-An International Workshop on T Lymphocytes & Monash Immunology and Stem Cell Laboratories (MISCL) Symposium. Melbourne, Australia

Invited speaker 12 January 2006 Laboratory of Experimental Tissue Engineering (LOEX)Quebec, Canada

Invited speaker 17 January 2006 Department of Molecular Genetics, Microbiology and Immunology, Robert Wood Johnson Medical School, University of Medicine & Dentistry of New Jersey

Invited speaker 20 January 2006 New York University School of Medicine Nelson Institute of Environmental Medicine

Invited speaker 10/2005 8th Annual Meeting of the Tissue Engineering International & Regenerative Medicine Society. Shanghai, China

Invited speaker 9/2005 International High-Level Forum on Bioeconomy 2005. Beijing, China

Invited speaker 8/2005 The 8th Annual Meeting of Tissue Engineering Society International

Section Chair 9/2005 4th Annual Meeting of the European Tissue Engineering Society. Munich, Germany

Invited speaker 4/2005 The 3rd Congress of the Federation of Immunological Societies of Asia-Oceania. Hangzhou, China

Invited speaker 11/2006. Sino-Australian Stem Cell Initiative. Sydney, Australia

Invited speaker 10/2006 China & Europe Life Sciences Partnering Forum II and the 14th Annual BioPartnering Europe Event. London, England

Invited speaker 9/2006 Satellite Symposium Chinese and German Scientists Working on Stem Cell Research. Dresden, Germany

Chairman/Organizer  12/2003: International Symposium on Stem Cell Research, Beijing, China, Dec. 17, 2003.

Invited speaker November 27-30, 2002 4th International Conference on Multi-dimensional Microscopy & Cell-Tissue Engineering. Guangzhou China

Invited speaker May 27-30, 2002 First International Conference on International Tissue Engineering in China. Chengdu China

Invited speaker September 27th 2002 Grant-round Conference U.T. M.D. Anderson CancerCenter USA.

Invited speaker February 9th to 13th 2003 Max-Planck-Society and European Neuroscience Institute, Göttingen Germany

6/2007 Oral presentation in 5th International Society for Stem Cell Research Annual Meeting. Australia

7/2006 Oral presentation in 35th Annual meeting of the international society for Experimental Hematology. Paris, France

8/2005 Oral presentation in 34th Annual Scientific Meeting of the International Society for Experimental Hematology. Glasgow, Scotland

7/2004 Oral presentation in 33rd Annual Scientific Meeting of the International Society for Experimental Hematology. New Orleans

7/2003 Oral presentation in 32nd Annual meeting of the international society for Experimental Hematology. Paris, France

8/2002 Oral presentation in 31st Annual meeting of the international society for Experimental Hematology. Montréal, Canada

10/2001 Oral presentation International Symposium on Cell Signaling from disease to drug discovery Hong Kong

8/2001 Chairman: Second China International Symposium on Angiogenesis & Hematopoiesis (three oral presentation) Tianjin

8/2001 Attend the 30th Annual Meeting of The International Society for Experimental Hematology. Japan

6/2001 Chairman: Second Sino-Poland Tissue Engineering and Banking Conference (oral presentation ) Poland

12/2000 Attend the 42nd Annual Meeting of American Society of Hematology (three presentation )

12/1999 Oral presentation in the 41st Annual Meeting of American Society of Hematology

5/1998 Attend the 1st Annual Meeting of American Society of Gene Therapy (ASGT) Seattle.

12/1997 Oral presentation in the 39th Annual Meeting of American Society of Hematology (ASH) San Diego, CA

12/1996 Oral presentation in the 38th Annual Meeting of ASH Orlando, FL

9/1996 Oral presentation in the American Federation for Clinical Research Chicago, Illinois

12/1995 Attend the 37th Annual Meeting of ASH Seattle, Washington.

8/1994 Attend the 23rd Annual Meeting of The International Society for Experimental Hematology. Minneapolis.

11/1993 Oral presentation at the Meeting on 4th Chinese Experimental Hematology. Canton.

9/1993 Oral presentation at the International Meeting on 93' Biochemistry and Molecular Biology for Chinese Young Scientists. Shanghai.

6/1993 Oral presentation at the Meeting on 1st National Bioengineering. Beijing.

12/1991 Oral presentation at the Meeting on the 2nd National Medical Biochemistry. Canton.

**Laboratory Members**

* **Robert chunhua Zhao** **, MD, PhD**

**Professor, Dean of the Cell Biology Department,**

**Email:** [**zhaochunhua@vip.163.com**](mailto:zhaochunhua@vip.163.com)

* **Qin Han** **, MD, PhD**

**Professor**

**Email: hanqinhanqin@126.com**

* **Hongling Li** **, MD, PhD**

**Associate Professor**

**lihongling2007@163.com**

* **Shihua Wang** **, MD, PhD**

**Associate Professor**

**wshawp@163.com**

* **Jing Li** **, MD, PhD**

**Assisstant Professor**

**tomatolj@vip.sina.com**

* **Rongjia Zhu** **, MD, PhD**

**Lecturer**

**zrjia2006@126.com**

* **Junfen Fan , MD, PhD**

**Postdoctoral Fellow**

**fanjunfen1988@163.com**

* **Mr. Kai Cheng**

**Senior Technician**

[chk\_712@126.com](mailto:chk_712@126.com)

* **Mr. Bin Zheng,** **B.S**

**Lab administrator**

**Zhenbin456@163.cpm**

* **Mrs.Yang Zhao, B.A.**

**Lab administrator**

**yangchaoaxcx@163.com**

**Laboratory Technicians**

**Mr. Xingjian Li**

**Mr.Yunlong Wang**

**Mr.Moran Huo**

**Mr.Yang Nie**

**Mrs.Ping Wang**

**Ms.Bingjie Wang**

**Ms.Keting Xiang**

**Mrs.Aibang Jiang**

**Ms.Yuan Wang**

**Mr.Yicheng Lang**

**Visiting Professors/Scholars**

**2015-2018 Stephen Dalton, MD, PhD(University of Georgia)**

**2018-present Thomas A. Rando, MD, PhD(Stanford University)**

**Postdoctoral Fellows**

2005-2007 Xingxia Liu, PhD

2010-2012 Kanghua Li, PhD

Hongling Li, PhD

2012-2014 Xinglei Yao, PhD

2014-2016 Rongjia Zhu, PhD

2016-2019 Junfen Fan, PhD

**Doctoral Students (Peking Union Medical College)**

1999-2001 Dong Xu , PhD

* 1. Junmin Song , PhD

2000-2003 Hong Guo, PhD

2001-2004 Baijun Fang, PhD

2001-2004 Yuhao Liu, PhD

2001-2004 Wei Zhang, PhD

2001-2006 Qin Han, PhD

2001-2006 Jing Li, PhD

2001-2006 Ying Cao, PhD

2001-2006 Mingxia Shi, PhD

2002-2005 Han Yue,PhD

2002-2007 Yanning Liu,PhD

2002-2007 Lei Chen,PhD

2003-2006 Bingzong Li, PhD

2003-2006 Bin Zhang, PhD

2003-2006 Jing Wang, PhD

2003-2006 Lifen Zeng, PhD

2003-2006 Yan Meng, PhD

2003-2008 Yashu Zhu, PhD

2004-2007 Zhao Sun, PhD

2004-2007 Jie Ma, PhD

2004-2007 Jianli Hu, PhD

2004-2008 Jianhe Chen, PhD

2004-2009 Bin Chen, PhD

2005-2008 Chunjing Bian, PhD

2005-2008 Wei Liang, PhD

2005-2008 Chunhua Lu, PhD

2005-2008 Jinhua Wang, PhD

2005-2008 Rui Liu, PhD

2005-2008 Dan Shi, PhD

2005-2009 Xiaowei Dou, PhD

2005-2008 Hong Zhou, PhD

2005-2010 Shan Lu, PhD

2005-2010 Zhuo Yang, PhD

2006-2009 Xishan Zhu, PhD

2006-2009 Kanghua Li, PhD

2006-2009 Yang Mei, PhD

2006-2009 Xi Yan, PhD

2006-2011 Shihua Wang, PhD

2007-2010 Zhijian Du, PhD

2007-2010 Hongling Li, PhD

2007-2010 Yang Zeng, PhD

2007-2012 Qilin Xu, PhD

2007-2012 Shan Huang, PhD

2009-2012 Xuebin Qu, PhD

2009-2012 Jing Li, PhD

2009-2014 Li Zhu, PhD

2010-2013 Nianhua Feng, PhD

2010-2013 Jianfeng Wei, PhD

2010-2015 Lina Zhang, PhD

2010-2015 Tangping Li, PhD

2011-2015 Xiaolei Liang, PhD

2011-2014 Chaozhuo Ge, PhD

2012-2015 Wenzhe Mao, PhD

2012-2015 Shaoda Ren, PhD

2014-2017 Kan Yin, PhD

2012-2017 Xiaoxia Li, PhD

2013-2016 Junfen Fan, PhD

2013-2018 Linyuan Fan, PhD

2013-2018 Xiaodong Su, PhD

2015-present Na Li, PhD

2015-present Luchan Deng, PhD

2016-present Yanlei Yang, PhD

2016-present Haoying Xu, PhD

2017-present Yunfei Chen, PhD

2017-present Xian Xiao, PhD

2018-present Chunling Xue, PhD

2018-present Hongliang Yu, PhD

2019-present Haiyan Wang, PhD

**Masters Students (Peking Union Medical College)**

1999-2001 Junde Cao, M.S.

2000-2003 Ling Zhang, M.S.

2001-2004 Chunmei Zheng M.S.

2001-2004 Zhao Sun, M.S.

2003-2006 Wan Wu, ,M.S.

2003-2006 Honglan Wang, M.S.

2003-2006 Weibo Gao, M.S.

2003-2006 Kanghua Li, M.S.

2004-2007 Michun He, M.S.

2004-2007 Mingyue Jia, M.S.

2004-2007 Huiying Liu, M.S.

2005-2008 Yuan Chen, M.S.

2005-2008 Ye Bu, M.S.

2008-2011 Liang Wang, M.S.

2009-2012 Qian Yang, M.S.

2010-2013 Ruizhu Lin, M.S.

2011-2014 Junfen Fan, M.S.

2012-2015 Xiaojing Mao, M.S.

2013-2016 Li Wan, M.S.

2013-2016 Pengchao Xu, M.S.

2014-2017 Yunfei Chen, M.S.

2014-2017 Yan Liu, M.S.

2015-2018 Chunling Xue, M.S.

2015-2018 Hua Chen, M.S.

2016-present Meiqian Xu, M.S.

2016-present Yamei Shen, M.S.

2017-present Xuechun Li, M.S.

2017-present Qiaoling Wang, M.S.

2018-present Xudong Yang, M.S.

2018-present Li Ba, M.S.

2019-present Di Li, M.S.

2019-present Mingjia Zhang, M.S.