

Brief CV of Ling-Qing Yuan, M.D.



1. Current appointment: associate professor of medicine, Institute of Metabolism and Endocrinology, The Second Xiangya Hospital, Central South University

2. International Recognitions

- I. National Prize for Progress in Science and Technology, 2008
Title: the study of Pathogenesis, diagnosis and treatment of post-menopause osteoporosis
- II. **Editorial Board Members**
 - a. Leading Guest editor: International Journal of Endocrinology (IF=2.376)
 - b. Leading Guest editor: Biomed International Research (IF=2.706)
 - c. Reviewer for Oncotarget, Regulate peptides, tumor biology and Plos One, et al.
- III. Hong Kong Scholar Award 2011, by The Society of Hong Kong Scholars.

IV. **3. Educational background & professional experience (in sequence of the latest year)**

- 2013/11-up to now, Central South University, The Second Xiangya Hospital, associate professor
- 2012/01-2013.12, Hong Kong University, Visiting Scholar
- 2006/07-2012/11, Central South University, The Second Xiangya Hospital, attending doctor
- 2001/09-2006/06, Central South University, M.D.

4. Professional Body Appointment

- I. Vice-chairman of the youth committee of the Chinese Society of Osteoporosis and Bone Mineral Disease of the Chinese Medical Association
- II. member of the youth committee the Chinese Society of Endocrinology of the Chinese Medical Association
- III. member of American Endocrine Society

5. Awards:

- I. Hongkong scholar award
- II. National Prize for Progress in Science and Technology, 2008

6. Research Grants

Research title	Role	Grant resource	Date of grant

The mechanism study of Ghrelin regulating of arterial calcification through OPG/RANKL system	PI	NSFC	2013-2016
The regulation effect of miRNA on osteoblastic differentiation of vascular smooth muscle cells	PI	NSFC	2009-2011
Methylation of MicroRNA in regulating osteoblastic differentiation of vascular smooth muscle cells	PI	Program for New Century Excellent Talents in University	2014-2018
Ghrelin regulating calcification of vascular smooth muscle cells	PI	Chinese postdoctor grant	2012-2013
Novel microRNA regulating calcification of vascular smooth muscle cells	PI	Sheng-Hua excellent youth researcher in Central South University	2010-2015

Publication:

1. Zhong JY, **Yuan LQ***. Obstructive sleep apnoea and bone health. *Eur Respir J*. 2016; 48(4):1248-1249. (**IF=8.332**)
2. Xu F, **Yuan LQ***. Osteoporosis Overtreatment-A Clinical Problem That Needs to Be Discussed. *JAMA Intern Med*. 2016;176(7):1033-4. (**IF=14**)
3. Liu Y, Xu F, Pei HX, Zhu X, Lin X, Song CY, Liang QH, Liao EY, **Yuan LQ***. Vaspin regulates the osteogenic differentiation of MC3T3-E1 through the PI3K-Akt/miR-34c loop. *Sci Rep*. 2016; 6:25578. (**IF=5.228**)
4. Liu Y, Zhang XL, Chen L, Lin X, Xiong D, Xu F, Yuan LQ*, Liao EY*. Epigenetic mechanisms of bone regeneration and homeostasis. *Prog Biophys Mol Biol*. 2016 Nov;122(2):85-92 (**IF= 2.274**)
5. Lin X, Xiong D, Peng YQ, Sheng ZF, Wu XY, Wu XP, Wu F, **Yuan LQ***, Liao EY. Epidemiology and management of osteoporosis in the People's Republic of China: current perspectives. *Clin Interv Aging*. 2015 Jun 25;10:1017-33. (**IF= 2.077**)
6. Wu SS, Lin X, Yuan LQ*, Liao EY. The Role of Epigenetics in Arterial Calcification. *Biomed Res Int*. 2015;2015:320849.(**IF= 2.134**)
7. Liao XB, Perez VA, Król M, Yeh CH, Yuan LQ*. MicroRNA and Cardiovascular Disease. *Biomed Res Int*. 2015;2015:734380. (**IF= 2.134**)
8. **Yuan LQ**, Ouyang HW, Andersen TL, Jiang Y, Pantano F, Shan PF. Osteoporosis 2014. *Int J Endocrinol*. 2015;2015:567593. (**IF=2.376**)
9. Liao XB, Zhang ZY, Yuan K, Liu Y, Feng X, Cui RR, Hu YR, Yuan ZS, Gu L, Li SJ, Mao DA, Lu Q, Zhou XM, de Jesus Perez VA, **Yuan LQ***. MiR-133a modulates osteogenic differentiation of vascular smooth muscle cells. *Endocrinology*, 154(9), 3344-3352(**IF=4.717**)
10. Liang QH, Liu Y, Wu SS, Cui RR, **Yuan LQ***, Liao EY. Ghrelin inhibits the apoptosis of MC3T3-E1 cells through ERK and AKT signaling pathway. *Toxicol*

- Appl Pharmacol, 272(3), 591-597(**IF=3.975**)
11. Zhu X, Jiang Y, Shan PF, Shen J, Liang QH, Cui RR, Liu Y, Liu GY, Wu SS, Lu Q, Xie H, Liu YS, **Yuan LQ***, Liao EY. Vaspin attenuates the apoptosis of human osteoblasts through ERK signaling pathway. *Amino Acids*. 2013 Mar;44(3):961-8 (**IF=3.914**)
 12. Liu Y, Song CY, Wu SS, Liang QH, **Yuan LQ***, Liao EY. Novel adipokines and bone metabolism. *Int J Endocrinol*. 2013; 2013:895045.(**IF= 2.376**)
 13. Wu SS, Liang QH, Liu Y, Cui RR, **Yuan LQ***, Liao EY. Omentin-1 Stimulates Human Osteoblast Proliferation through PI3K/Akt Signal Pathway.*Int J Endocrinol*. 2013;2013:368970. (**IF= 2.376**)
 14. Shan PF, Xian CJ, Li M, Xiang GD, **Yuan LQ***. Osteoporosis. *Int J Endocrinol*. 2013;2013:952858. (**IF= 2.376**)
 15. Liu GY, Liang QH, Cui RR, Liu Y, Wu SS, Shan PF, **Yuan LQ***, Liao EY. Leptin promotes the osteoblastic differentiation of vascular smooth muscle cells from female mice by increasing RANKL expression. *Endocrinology*. 2014 Feb;155(2):558-67. (**IF=4.717**)
 16. **Yuan L**, Chan GC, Fung KL, Chim CS. RANKL expression in myeloma cells is regulated by a network involving RANKL promoter methylation, DNMT1, microRNA and TNF α in the microenvironment. *Biochim Biophys Acta*. 2014 Sep;1843(9):1834-8. (**SCI, IF= 5.297**)
 17. Cui RR, Li SJ, Liu LJ, Yi L, Liang QH, Zhu X, Liu GY, Liu Y, Wu SS, Liao XB, **Yuan LQ***, Mao DA, Liao EY. MicroRNA-204 regulates vascular smooth muscle cell calcification in vitro and in vivo. *Cardiovasc Res*. 2012;96(2):320-9. (**IF=6.064**)
 18. Liang QH, Jiang Y, Zhu X, Cui RR, Liu GY, Liu Y, Wu SS, Liao XB, Xie H, Zhou HD, Wu XP, **Yuan LQ***, Liao EY. Ghrelin Attenuates the Osteoblastic Differentiation of Vascular Smooth Muscle Cells through the ERK Pathway. *PLoS One*. 2012;7(4):e33126. (**IF=4.092**)
 19. Lu Y, Zhu X, Liang GX, Cui RR, Liu Y, Wu SS, Liang QH, Liu GY, Jiang Y, Liao XB, Xie H, Zhou HD, Wu XP, **Yuan LQ***, Liao EY. Apelin-APJ induces ICAM-1, VCAM-1 and MCP-1 expression via NF- κ B/JNK signal pathway in human umbilical vein endothelial cells. *Amino Acids*. 2012; 43(5):2125-36. (**IF=3.248**)
 20. **Yuan LQ**, Zhu JH, Wang HW, Liang QH, Xie H, Wu XP, Zhou H, Cui RR, Sheng ZF, Zhou HD, Zhu X, Liu GY, Liu YS, Liao EY. RANKL is a downstream mediator for insulin-induced osteoblastic differentiation of vascular smooth muscle cells. *PLoS One*. 2011;6(12):e29037 (**IF=4.411**)
 21. Shan PF, Lu Y, Cui RR, Jiang Y, **Yuan LQ***, Liao EY. Apelin attenuates the osteoblastic differentiation of vascular smooth muscle cells. *PLoS One*. 2011;6(3):e17938. (**IF=4.411**)
 22. **Yuan LQ**, Liu W, Cui RR, Wang D, Meng JC, Xie H, Wu XP, Zhou HD, Lu Y, Liao EY. Taurine inhibits osteoclastogenesis through the taurine transporter. *Amino Acids*. 2010;39(1):89-99. (**IF=4.106**)
 23. Cui RR, Mao DA, Yi L, Wang C, Zhang XX, Xie H, Wu XP, Liao XB, Zhou H, Meng JC, **Yuan LQ***, Liao EY. Apelin suppresses apoptosis of human vascular

- smooth muscle cells via APJ/PI3-K/Akt signaling pathways. *Amino Acids*. 2010, 39(5):1193-200. **(IF=4.106)**
24. Liu YS, Lu Y, Liu W, Xie H, Luo XH, Wu XP, **Yuan LQ***, Liao EY. Connective tissue growth factor is a downstream mediator for preptin-induced proliferation and differentiation in human osteoblasts. *Amino Acids*. 2010,38(3):763-9. **(IF=4.106)**
25. **Yuan LQ**, Liu YS, Luo XH, Guo LJ, Xie H, Lu Y, Wu XP, Liao EY. Recombinant tissue metalloproteinase inhibitor-3 protein induces apoptosis of murine osteoblast MC3T3-E1. *Amino Acids*. 2008, 35(1):123-7. **(IF=4.132)**
26. Liao XB, Zhou XM, Li JM, Yang JF, Tan ZP, Hu ZW, Liu W, Lu Y, **Yuan LQ***. Taurine inhibits osteoblastic differentiation of vascular smooth muscle cells via the ERK pathway. *Amino Acids*. 2008, 34(4):525-30. **(IF=4.132)**
27. **Yuan LQ**, Lu Y, Luo XH, Xie H, Wu XP, Liao EY. Taurine Promotes CTGF Expression in Osteoblasts Through ERK1/2 Signal Pathway. *Amino Acids*. 2007, 32(3):425-30. **(IF=2.78)**
28. Liao XB, Zhou XM, Li JM, Tan ZP, Liu LM, Zhang W, Tan H, Lu Y, **Yuan LQ***. Taurine transporter is expressed in vascular smooth muscle cells. *Amino Acids*. 2007, 33(4):639-43. **(IF=2.78)**
29. Xie H, **Yuan LQ**, Luo XH, Huang J, Cui RR, Guo LJ, Zhou HD, Wu XP, Liao EY. Apelin suppresses apoptosis of human osteoblasts. *Apoptosis*. 2007, 12(1):247-254. **(Co-First author, IF=3.043)**
30. **Yuan LQ**, Xie H, Luo XH, Wu XP, Zhou HD, Lu Y, Liao EY. Taurine transporter is expressed in osteoblasts. *Amino Acids*. 2006;31(2):157-63. **(IF=2.104)**