

## 基本信息

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## 简介

管敏，中科院深圳先进技术研究院研究员，博士生导师。博士毕业于中科院广州生物医药与健康研究院，先后在美国加州大学戴维斯医学院、约翰霍普金斯医学院从事博士后研究。近年在干细胞分化与组织再生、代谢性疾病机理等领域发表多篇 SCI 论文，包括以第一/通讯作者在 *Nature medicine*、*Advanced science*、*Hepatology*、*Stem cells* 等。先后主持 3 项国家自然科学基金项目以及中科院省市多项基金项目，担任国家自然科学基金函评专家。目前担任中科院青促会生命分会秘书长，中国老年学和老年医学学会骨质疏松分会委员，中国生理学会基质生物学会青年委员等。曾获美国骨研学会“ASBMR-Lilly/Pfizer”青年学者奖、国际骨研学会“Alice L. Jee Memorial”青年学者奖、加州大学戴维斯医学院杰出博士后研究奖。2014 年评为深圳市海外高层次“孔雀计划”B 类人才，2015 年遴选为中科院青年创新促进会会员，2017 年评为广东省科技创新青年拔尖人才。

## 研究方向

骨代谢、糖脂代谢等相关疾病的机理机制，包括间充质干细胞代谢分化与组织再生，糖 / 脂 / 骨代谢机制，新药物与新靶点。

## 主要代表论著

- (1) Near-infrared light control of bone regeneration with biodegradable photothermal osteoimplant. Tong L, Liao Q, Zhao Y, Huang H, Gao A, Zhang W, Gao X, Wei W, **Guan M**, Chu PK, Wang H\*. *Biomaterials*. 2019 Feb;193:1-11.PMID: 30550998
- (2) Xuekun Fu, Yunyan Li, Tongling Huang, Zhiwu Yu, Kun Ma, Meng Yang, Qingli Liu, Haobo Pan, Huaiyu Wang, Junfeng Wang\*, **Min Guan\***. Runx2/Osterix and Zinc

Uptake Synergize to Orchestrate Osteogenic Differentiation and Citrate containing-Bone Apatite Formation. *Advanced Science*. 2018 Jan 28;5(4):1700755.

- (3) Pingchao Li, Fengling Feng, Enxiang Pan, Xiaozhen Fan, Qing Yang, **Min Guan**, Ling Chen□, Caijun Sun□. Scavenger receptor-mediated Ad5 entry and acLDL accumulation in monocytes/macrophages synergistically trigger innate responses against viral infection. *Virology*. 2018 Jun;519:86-98. doi: 10.1016/j.virol.2018.04.005.
- (4) Tongling Huang, Renzhong Liu, Xuekun Fu, Dongsheng Yao, Yang Lei, Meng Yang, Qingli Liu, William W. Lu, Chuanyue Wu, **Min Guan\***. Aging reduces an ERR $\alpha$ -directed mitochondrial glutaminase expression suppressing glutamine anaplerosis and osteogenic capacity of mesenchymal stem cells. *Stem cells*. 2017 Feb;35(2):411-424.
- (5) Qingli Liu, Meng Yang, Renzhong Liu, Yang Lei, Xuekun Fu, Caijun Sun, Haobo Pan, Chi-Wai Wong, **Min Guan\***. Activation of farnesoid X receptor promotes triglycerides lowering by inhibiting Phospholipase A2 G12B in hyperlipidemic mice. *Molecular and Cellular Endocrinology* 2016 Nov 15;436:93-101.
- (6) Zhao, Yuetao; Tong, Liping; Li, Yong; Pan, Haobo; Zhang, Wei; **Guan, Min**; Li, Weihao; Chen, Yixin; Li, Qing; Li, Zhongjun; Wang, Huaiyu\*; Yu, Xuefeng\*; Chu, Paul\*. Lactose-Functionalized Gold Nanorods for Sensitive and Rapid Serological Diagnosis of Cancer. *ACS Applied Materials & Interfaces*. 2016 Mar 9;8(9):5813-20.
- (7) Yan Chen, Ting Wang, **Min Guan**, FKL Leung, Cao Xu, Wang Ting, Weiwei Zhao, Xiaohua Pan, and W W Lu\*. Bone turnover and articular cartilage differences localized to subchondral cysts in knees with advanced osteoarthritis. *Osteoarthritis and Cartilage*. 2015 Dec;23(12):2174-83.
- (8) Yao W\*#, **Min Guan#**, Jia JJ, Dai WW, Lay YE, Amugongo S, Liu RW, Olivos D, Lam KS, Nolta J, Olvera D, Ritchie RO, Lane NE. Reversing bone loss by directing mesenchymal stem cell to the bone. *Stem cells* 2013 Sep;31(9):2003-2014. # co-first author
- (9) **Min Guan**, Wei Yao\*, Ruiwu Liu, Kit S Lam, Jan Nolta, Junjing Jia, Brian Panganiban, Liping Meng, Ping Zhou, Mohammad Shahnazari, Robert O Ritchie & Nancy E Lane. Directing mesenchymal stem cells to bone to augment bone formation and increase bone mass. *Nature Medicine*. 2012 Feb 5; 18(3):456-62.
- (10) **Min Guan**, Linbing Qu, Wenjuan Tan, Ling Chen\*, ChiWai Wong\*. Hepatocyte nuclear factor-4 alpha regulates liver triglyceride metabolism in part through secreted phospholipase A2 GXIIB. *Hepatology*. 2011 Feb; 53(2):458-66.
- (11) Zhendong Zhong, Cassandra R. Zylstra-Diegel, Cassie A. Schumacher, Jacob J. Baker, April C. Carpenter, Sujata Rao, Wei Yao, **Min Guan**, Jill A. Helms, Nancy E. Lane, Richard A. Lang, Bart O. Williams\*. Wntless functions in mature osteoblasts to regulate bone mass. *Proc Natl Acad Sci USA*. 2012 Aug 14;109 (33):E2197-204.
- (12) Junjing Jia, Wei Yao, **Min Guan**, Weiwei Dai, Mohammad Shahnazari, Rekha Kar, Lynda Bonewald, Jean X. Jiang and Nancy E. Lane\*. Glucocorticoid Dose Determines Osteocyte Cell Fate. *FASEB J*. 2011 Oct;25(10):3366-76.