



Fu xuekun

Academic qualifications:

- 2006-2010: B. Med. Qinghai University
2010-2013: M. Med. Guangdong Medical University

Previous academic positions held:

- 2013-2017: Research Assistant, Center for Human Tissues and Organs Degeneration, Institute of Biomedicine and Biotechnology, Shenzhen Institute of Advanced Technology, Chinese Academy of Science

Present academic position:

- 2017-now: Joint PhD student, Hongkong Baptist University & Southern University of Science and Technology

Previous relevant research work:

Mesenchymal Stem Cells; Bone Metabolism; Biomaterial;

Grant:

“The Study of Citrate Metabolism and Effect in Bone Formation and Bone Repair”, Excellent Youth Innovation Fund Grant, Shenzhen Institute of Advanced Technology, Chinese Academy of Sciences, 2015-2017, \$100,000.

Publication records:

Five most representative publications in the recent five years (* Corresponding Author)

1. **Fu X**, Li Y, Huang T, Yu Z, Ma K, Yang M, Liu Q, Pan H, Wang H, Wang J, Guan M*. Runx2/Osterix and Zinc Uptake Synergize to Orchestrate Osteogenic Differentiation and Citrate Containing Bone Apatite Formation. *Advanced Science*. 2018; 5 (4):1700755.
2. **Fu X**, Liang C, Li F, Wang L, Wu X, Lu A, Xiao G, Zhang G*. The Rules and Functions of Nucleocytoplasmic Shuttling Proteins. *International Journal of Molecular Sciences*. 2018; 19 (5):144.
3. Liu C, **Fu X** (Co-first author), Pan H, Wan P, Wang L, Tan L, Wang K, Zhao Y*, Yang K*, Chu PK. Biodegradable Mg-Cu alloys with enhanced osteogenesis, angiogenesis, and long-lasting antibacterial effects. *Scientific Reports*. 2016; 6:27374.
4. Zheng H*, **Fu X**, Shang J, Lu R, Ou Y, Chen C. Ginsenoside Rg1 protects rat bone marrow mesenchymal stem cells against ischemia induced apoptosis through miR-494-3p and ROCK-1. *Eur J Pharmacol*. 2018; 822:154-167.
5. Huang T, Liu R, **Fu X**, Yao D, Yang M, Liu Q, Lu WW, Wu C, Guan M*. Aging Reduces an ERRalpha-Directed Mitochondrial Glutaminase Expression Suppressing Glutamine Anaplerosis and Osteogenic Differentiation of Mesenchymal Stem Cells. *Stem Cells*. 2017; 35 (2):411-424.