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先后于四川大学国家级生物医学材料研究中心、华西口腔疾病防治全国重点实验室求学并留实验室工作。具备生物、材料、骨/牙疾病等多学科背景，擅长依托转基因敲除鼠技术，专注骨质疏松、牙周疾病及血管钙化的基础医学研究。主持2项国家级科研项目，积极参与十余项团队的科研项目，发表SCI论文十余篇。坚持在科研一线鼓励并支持本科同学开展实验，培养科研思维，并有多篇SCI文章发表。

科研成果

1. Guanyue Su[#], **Demao Zhang[#]**, Tiantian Li, Tong Pei, Jie Yang, Shasha Tu, Sijun Liu, Jie Ren, Yaojia Zhang, Mengmeng Duan, Xinrui Yang, Yang Shen, Chenchen Zhou, Jing Xie*, Xiaoheng Liu*. Annexin A5 derived from matrix vesicles protects against osteoporotic bone loss via mineralization. Bone Res. 2023 Nov 9;11(1):60.



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10. **Demao Zhang[#]**, Junjun Jing[#], Feng Lou[#], Ruimin Li, Yilin Ping, Fanyuan Yu, Fanzi Wu, Xiao Yang, Ruoshi Xu, Feifei Li, Ke Wang, Mingru Bai, Caixia Pi, Jing Xie*, Liwei Zheng, Ling Ye, Xuedong Zhou*. Evidence for excessive osteoclast activation in SIRT6 null mice. *Scientific Reports*, 2018, 8(1): 10992.
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12. ChenChen Zhou, RuoShi Xu, ZuPing Wu, ZhaoWei Zhang, Quan Yuan, ShuJuan Zou, Jing Xie, **Demao Zhang***, Osteogenesis, Osteoclastogenesis and their Crosstalk in Lipopolysaccharide-induced Periodontitis in Mice. *The Chinese Journal of Dental Research*. 24.1 (2021): 33-39.
13. Peng Liu[#], Yilin Ping[#], Meng Ma[#], **Demao Zhang[#]**, Connie Liu, Samir Zaidi, Song Gao, Yaoting Ji, Feng Lou, Fanyuan Yu, Ping Lu, Agnes Stachnik, Mingru Bai, Chengguo Wei, Liaoran Zhang, Ke Wang, Rong Chen, Maria I. New, David W. Rowe, Tony Yuen, Li Sun, Mone Zaidi*. Anabolic actions of Notch on mature bone. *Proceedings of the National Academy of Sciences of the United States of America*, 2016, 113(15), E2152-E2161.
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