

Accepted Manuscript

Selective effect of hydroxyapatite nanoparticles on osteoporotic and healthy bone formation correlates with intracellular calcium homeostasis regulation

Rui Zhao, Pengfei Xie, Kun Zhang, Zhurong Tang, Xuening Chen, Xiangdong Zhu, Yujiang Fan, Xiao Yang, Xingdong Zhang

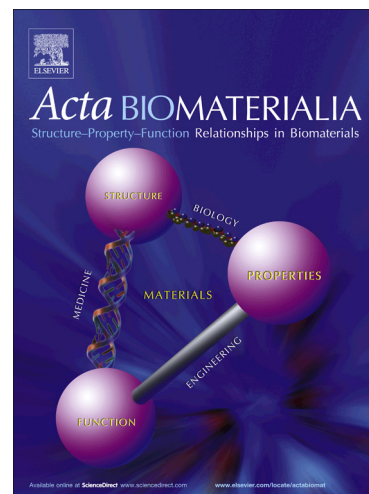
PII: S1742-7061(17)30437-3
DOI: <http://dx.doi.org/10.1016/j.actbio.2017.07.009>
Reference: ACTBIO 4976

To appear in: *Acta Biomaterialia*

Received Date: 16 March 2017
Revised Date: 20 June 2017
Accepted Date: 5 July 2017

Please cite this article as: Zhao, R., Xie, P., Zhang, K., Tang, Z., Chen, X., Zhu, X., Fan, Y., Yang, X., Zhang, X., Selective effect of hydroxyapatite nanoparticles on osteoporotic and healthy bone formation correlates with intracellular calcium homeostasis regulation, *Acta Biomaterialia* (2017), doi: <http://dx.doi.org/10.1016/j.actbio.2017.07.009>

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.



**Selective effect of hydroxyapatite nanoparticles on osteoporotic and healthy bone
formation correlates with intracellular calcium homeostasis regulation**

Rui Zhao, Pengfei Xie, Kun Zhang, Zhurong Tang, Xuening Chen, Xiangdong Zhu,
Yujiang Fan, Xiao Yang*, Xingdong Zhang*

National Engineering Research Center for Biomaterials, Sichuan University,
29 Wangjiang Road, Chengdu, 610064, China

E-mail address:

xiaoyang114@scu.edu.cn, zhangxd@scu.edu.cn

Tel.: 86-28-85417654; fax: 86-28-85410246

*Corresponding authors.

¹These authors contributed equally

The authors declare no conflict of interests.

Keywords: Hydroxyapatite nanoparticles; osteoporotic osteoblast; concentration;
osseointegration; intracellular calcium

Download English Version:

<https://daneshyari.com/en/article/6449090>

Download Persian Version:

<https://daneshyari.com/article/6449090>

[Daneshyari.com](https://daneshyari.com)