

Accepted Manuscript

Nitric Oxide Releasing Hydrogel Promotes Endothelial Differentiation of Mouse Embryonic Stem Cells

Yan Nie, Kaiyue Zhang, Shuaiqiang Zhang, Dan Wang, Zhibo Han, Yongzhe Che, Deling Kong, Qiang Zhao, Zhongchao Han, Zuo-Xiang He, Na Liu, Fengxia Ma, Zongjin Li

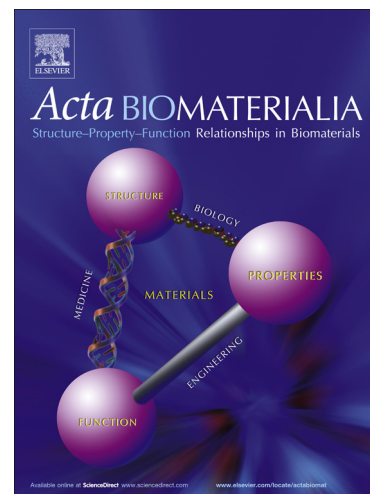
PII: S1742-7061(17)30552-4
DOI: <http://dx.doi.org/10.1016/j.actbio.2017.08.037>
Reference: ACTBIO 5048

To appear in: *Acta Biomaterialia*

Received Date: 28 April 2017
Revised Date: 22 August 2017
Accepted Date: 28 August 2017

Please cite this article as: Nie, Y., Zhang, K., Zhang, S., Wang, D., Han, Z., Che, Y., Kong, D., Zhao, Q., Han, Z., He, Z-X., Liu, N., Ma, F., Li, Z., Nitric Oxide Releasing Hydrogel Promotes Endothelial Differentiation of Mouse Embryonic Stem Cells, *Acta Biomaterialia* (2017), doi: <http://dx.doi.org/10.1016/j.actbio.2017.08.037>

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.



Nitric Oxide Releasing Hydrogel Promotes Endothelial Differentiation of

Mouse Embryonic Stem Cells

Yan Nie^{1,2}, Kaiyue Zhang¹, Shuaiqiang Zhang¹, Dan Wang¹, Zhibo Han³, Yongzhe Che¹, Deling Kong², Qiang Zhao², Zhongchao Han³, Zuo-Xiang He⁴, Na Liu^{1*}, Fengxia Ma^{5*}, Zongjin Li^{1,2*}

¹Nankai University School of Medicine, Tianjin, China; ²State Key Laboratory of Medicinal Chemical Biology, The Key Laboratory of Bioactive Materials, Ministry of Education, Nankai University, the College of Life Science, Tianjin, China; ³Beijing Institute of Health and Stem Cells, Health & Biotech Co., Beijing, China; ⁴Department of Nuclear Medicine, State Key Laboratory of Cardiovascular Disease, Fu Wai Hospital, National Center of Cardiovascular Disease, Peking Union Medical College & Chinese Academy of Medical Sciences, Beijing, China; ⁵State Key Lab of Experimental Hematology, Chinese Academy of Medical Sciences & Peking Union Medical College, Tianjin, China

*Correspondence: Zongjin Li, MD, PhD, School of Medicine, Nankai University, 94 Weijin Road, Tianjin 300071, China, Ph: +86-22-23509332, Fax: +86-22-23509505, Email: zongjinli@nankai.edu.cn; or Fengxia Ma, State Key Lab of Experimental Hematology, Chinese Academy of Medical Sciences & Peking Union Medical College, 288 Nanjing Road, Tianjin 300080, China. Ph: +86-22-23909999, Fax: +86-022-23909999, E-mail: mafengxia1978@163.com; or Na Liu, PhD, School of Medicine, Nankai University, 94 Weijin Road, Tianjin 300071, China, Ph: +86-22-23509332, Fax: +86-22-23509505, Email: liuna@nankai.edu.cn

Download English Version:

<https://daneshyari.com/en/article/6483224>

Download Persian Version:

<https://daneshyari.com/article/6483224>

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