

Accepted Manuscript

Manipulation of the response of human endothelial colony-forming cells by focal adhesion assembly using gradient nanopattern plates

Long-Hui Cui, Hyung Joon Joo, Dae Hwan Kim, Ha-Rim Seo, Jung Suk Kim, Seung-Cheol Choi, Li-Hua Huang, Ji Eun Na, I-Rang Lim, Jong-Ho Kim, Im Joo Rhyu, Soon Jun Hong, Kyu Back Lee, Do-Sun Lim

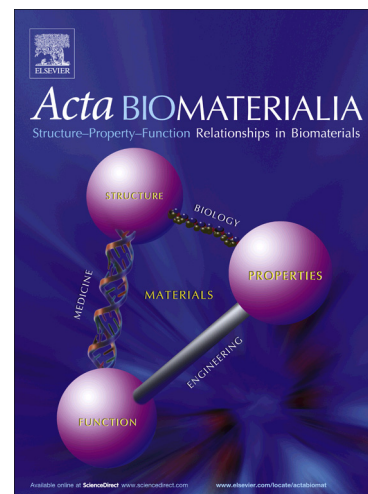
PII: S1742-7061(17)30652-9
DOI: <https://doi.org/10.1016/j.actbio.2017.10.026>
Reference: ACTBIO 5132

To appear in: *Acta Biomaterialia*

Received Date: 24 April 2017
Revised Date: 12 October 2017
Accepted Date: 12 October 2017

Please cite this article as: Cui, L-H., Joo, H.J., Kim, D.H., Seo, H-R., Kim, J.S., Choi, S-C., Huang, L-H., Na, J.E., Lim, I-R., Kim, J-H., Rhyu, I.J., Hong, S.J., Lee, K.B., Lim, D-S., Manipulation of the response of human endothelial colony-forming cells by focal adhesion assembly using gradient nanopattern plates, *Acta Biomaterialia* (2017), doi: <https://doi.org/10.1016/j.actbio.2017.10.026>

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.



Manipulation of the response of human endothelial colony-forming cells by focal adhesion assembly using gradient nanopattern plates

Long-Hui Cui ^{a,1}, Hyung Joon Joo ^{a,1}, Dae Hwan Kim ^{b,1}, Ha-Rim Seo ^a, Jung Suk Kim ^b, Seung-Cheol Choi ^a, Li-Hua Huang ^a, Ji Eun Na ^c, I-Rang Lim ^a, Jong-Ho Kim ^a, Im Joo Rhyu ^c, Soon Jun Hong ^a, Kyu Back Lee ^{b,*}, Do-Sun Lim ^{a,*}

^a Department of Cardiology, Cardiovascular Center, Korea University Anam Hospital, 145, Anam-ro, Seongbuk-gu, Seoul, 02841, Republic of Korea

^b School of Biomedical Engineering, College of Health Science, Korea University, 145, Anam-ro, Seongbuk-gu, Seoul, 02841, Republic of Korea

^c Department of Anatomy, College of Medicine, Korea University, Seoul, 02841, Republic of Korea

¹ These authors equally contributed to this work

* These authors equally supervised this work

Address correspondence to

* Do-Sun Lim

Department of Cardiology, Cardiovascular Center, Korea University Anam Hospital, 145, Anam-ro, Seongbuk-gu, Seoul, 02841, Republic of Korea

Phone: +82-2-920-5445; Fax: +82-2-927-1478; E-mail: dslmd@kumc.or.kr

and

* Kyu Back Lee

School of Biomedical Engineering, College of Health Science, Korea University, 145, Anam-ro, Seongbuk-gu, Seoul, 02841, Republic of Korea

Phone: +82-2-3290-5655; Fax: +82-2-929-8044; E-mail: kblee@korea.ac.kr

Download English Version:

<https://daneshyari.com/en/article/6483154>

Download Persian Version:

<https://daneshyari.com/article/6483154>

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