

Accepted Manuscript

Construction of a bilayered vascular graft with smooth internal surface for improved hemocompatibility and endothelial cell monolayer formation

Xianhao Dong, Xingyu Yuan, Lina Wang, Jinlong Liu, Adam C. Midgley, Zhihong Wang, Kai Wang, Jianfeng Liu, Meifeng Zhu, Deling Kong



PII: S0142-9612(18)30512-X

DOI: [10.1016/j.biomaterials.2018.07.027](https://doi.org/10.1016/j.biomaterials.2018.07.027)

Reference: JBMT 18770

To appear in: *Biomaterials*

Received Date: 4 April 2018

Revised Date: 5 July 2018

Accepted Date: 16 July 2018

Please cite this article as: Dong X, Yuan X, Wang L, Liu J, Midgley AC, Wang Z, Wang K, Liu J, Zhu M, Kong D, Construction of a bilayered vascular graft with smooth internal surface for improved hemocompatibility and endothelial cell monolayer formation, *Biomaterials* (2018), doi: 10.1016/j.biomaterials.2018.07.027.

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.

Construction of a bilayered vascular graft with smooth internal surface for improved hemocompatibility and endothelial cell monolayer formation

Xianhao Dong¹, Xingyu Yuan¹, Lina Wang¹, Jinlong Liu², Adam C. Midgley¹, Zhihong Wang⁴, Kai Wang¹, Jianfeng Liu³, Meifeng Zhu^{1*}, Deling Kong^{1*}

¹ *State Key Laboratory of Medicinal Chemical Biology, Key Laboratory of Bioactive Materials of Ministry of Education, Xu Rongxiang Regeneration Life Science Center, College of Life Science, Nankai University, Tianjin 300071, China;*

² *Department of Cardiothoracic Surgery, Institute of Pediatric Translational Medicine, Shanghai Children's Medical Center, Shanghai Jiao Tong University School of Medicine, Shanghai, China;*

³ *Tianjin Key Laboratory of Radiation Medicine and Molecular Nuclear Medicine, Institute of Radiation Medicine, Chinese Academy of Medical Science & Peking Union Medical College, Tianjin, 300192, China;*

⁴ *Institute of Biomedical Engineering, Chinese Academy of Medical Sciences & Peking Union Medical College, Tianjin 300192, China.*

Corresponding authors

Deling Kong, PhD

Tel: 0086 22 23502111; Fax: 0086 22 23498775

E-mail: kongdeling@nankai.edu.cn

Meifeng Zhu, PhD

zhumeifeng2013@163.com

Download English Version:

<https://daneshyari.com/en/article/6484293>

Download Persian Version:

<https://daneshyari.com/article/6484293>

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