

Accepted Manuscript

Full length article

Prompt peripheral nerve regeneration induced by a hierarchically aligned fibrin nanofiber hydrogel

Jinrong Du, Jianheng Liu, Shenglian Yao, Haiquan Mao, Jiang Peng, Xun Sun, Zheng Cao, Yongdong Yang, Bo Xiao, Yiguo Wang, Peifu Tang, Xiumei Wang

PII: S1742-7061(17)30237-4

DOI: <http://dx.doi.org/10.1016/j.actbio.2017.04.010>

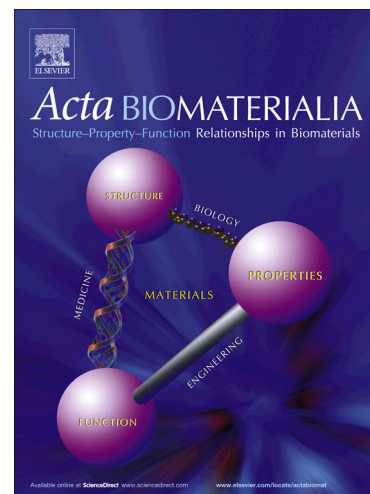
Reference: ACTBIO 4834

To appear in: *Acta Biomaterialia*

Received Date: 26 December 2016

Revised Date: 1 April 2017

Accepted Date: 11 April 2017



Please cite this article as: Du, J., Liu, J., Yao, S., Mao, H., Peng, J., Sun, X., Cao, Z., Yang, Y., Xiao, B., Wang, Y., Tang, P., Wang, X., Prompt peripheral nerve regeneration induced by a hierarchically aligned fibrin nanofiber hydrogel, *Acta Biomaterialia* (2017), doi: <http://dx.doi.org/10.1016/j.actbio.2017.04.010>

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.

**Prompt peripheral nerve regeneration induced by a hierarchically
aligned fibrin nanofiber hydrogel**

Jinrong Du^{1#}, Jianheng Liu^{2#}, Shenglian Yao^{1,3}, Haiquan Mao⁴, Jiang Peng⁵, Xun Sun^{5,6}, Zheng
Cao¹, Yongdong Yang¹, Bo Xiao⁵, Yiguo Wang^{5,6}, Peifu Tang², Xiumei Wang^{*1}

1. State Key Laboratory of New Ceramics and Fine Processing, School of Materials Science and Engineering, Tsinghua University, Beijing 100084, China.

2. Department of Orthopedics, PLA General Hospital, FuXing Road 28th, Beijing 100853, China

3. School of Materials Science and Engineering, University of Science and technology Beijing, Beijing 100083, China

4. Department of Materials Science and Engineering, Johns Hopkins University, Baltimore, MD 21218, USA

5. Beijing Key Laboratory of Regenerative Medicine in Orthopedics, Key Laboratory of Musculoskeletal Trauma & War Injuries, PLA General Hospital, FuXing Road 28th, Beijing, 100853, China

6. School of Medicine, Nankai University, Weijin Road 94th, Tianjin 300071, China

* Corresponding author: Xiumei Wang

Tel: 86-10-62782966; E-mail: wxm@mail.tsinghua.edu.cn

These two authors contributed equally to this work.

Download English Version:

<https://daneshyari.com/en/article/6449244>

Download Persian Version:

<https://daneshyari.com/article/6449244>

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