

# Accepted Manuscript

Full length article

Multi-Functional Electrospun Antibacterial Core-Shell Nanofibrous Membranes for Prolonged Prevention of Post-Surgical Tendon Adhesion and Inflammation

K.T. Shalumon, Chialin Sheu, Chih-Hao Chen, Shih-Heng Chen, Gils Jose, Chang-Yi Kuo, Jyh-Ping Chen

PII: S1742-7061(18)30175-2  
DOI: <https://doi.org/10.1016/j.actbio.2018.03.044>  
Reference: ACTBIO 5386

To appear in: *Acta Biomaterialia*

Received Date: 10 November 2017  
Revised Date: 10 March 2018  
Accepted Date: 28 March 2018

Please cite this article as: Shalumon, K.T., Sheu, C., Chen, C-H., Chen, S-H., Jose, G., Kuo, C-Y., Chen, J-P., Multi-Functional Electrospun Antibacterial Core-Shell Nanofibrous Membranes for Prolonged Prevention of Post-Surgical Tendon Adhesion and Inflammation, *Acta Biomaterialia* (2018), doi: <https://doi.org/10.1016/j.actbio.2018.03.044>

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.



**Multi-Functional Electrospun Antibacterial Core-Shell Nanofibrous Membranes for Prolonged Prevention of Post-Surgical Tendon Adhesion and Inflammation**

K.T. Shalumon<sup>a#</sup>, Chialin Sheu<sup>a#</sup>, Chih-Hao Chen<sup>b</sup>, Shih-Heng Chen<sup>b</sup>, Gils Jose<sup>a</sup>, Chang-Yi Kuo<sup>a</sup> and Jyh-Ping Chen<sup>a,b,c,d\*</sup>

<sup>a</sup> Department of Chemical and Materials Engineering, Chang Gung University, Kwei-San, Taoyuan 33302, Taiwan, ROC

<sup>b</sup> Department of Plastic and Reconstructive Surgery and Craniofacial Research Center, Chang Gung Memorial Hospital, Linkou, Kwei-San, Taoyuan 33305, Taiwan, ROC

<sup>c</sup> Research Center for Food and Cosmetic Safety, Research Center for Chinese Herbal Medicine, College of Human Ecology, Chang Gung University of Science and Technology, Kwei-San, Taoyuan 33302, Taiwan, ROC

<sup>d</sup> Department of Materials Engineering, Ming Chi University of Technology, Tai-Shan, New Taipei City 24301, Taiwan, ROC

<sup>#</sup> K.T. Shalumon and Chialin Sheu contributed equally to this work

\*Corresponding author

259 Wen-Hwa 1st Road, Kwei-San, Taoyuan 33302, Taiwan, ROC

Tel: +886-3-2118800

Fax: +886-3-2118668

E-mail addresses: jpchen@mail.cgu.edu.tw

Download English Version:

<https://daneshyari.com/en/article/6482910>

Download Persian Version:

<https://daneshyari.com/article/6482910>

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