## Accepted Manuscript

Small molecule delivery through nanofibrous scaffolds for musculoskeletal regenerative engineering

Erica J. Carbone, Tao Jiang, Clarke Nelson, Nicole Henry, Kevin W.-H. Lo

PII: DOI: Reference:

S1549-9634(14)00226-3 doi: 10.1016/j.nano.2014.05.013 NANO 952



To appear in: Nanomedicine: Nanotechnology, Biology, and Medicine

Received date:6 April 2014Revised date:19 May 2014Accepted date:29 May 2014

Please cite this article as: Carbone Erica J., Jiang Tao, Nelson Clarke, Henry Nicole, Lo Kevin W.-H., Small molecule delivery through nanofibrous scaffolds for musculoskeletal regenerative engineering, *Nanomedicine: Nanotechnology, Biology, and Medicine* (2014), doi: 10.1016/j.nano.2014.05.013

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.

## ACCEPTED MANUSCRIPT

## Small molecule delivery through nanofibrous scaffolds for musculoskeletal regenerative engineering

Erica J. Carbone<sup>1,2,3</sup>, Tao Jiang<sup>1,2,3</sup>, Clarke Nelson<sup>1,2,5</sup>, Nicole Henry<sup>1</sup>,

and Kevin W.-H. Lo <sup>1,2,3,4 \*</sup>

<sup>1</sup>Institute for Regenerative Engineering, University of Connecticut Health Center, School of Medicine, Farmington, CT 06030

<sup>2</sup>The Raymond and Beverly Sackler Center for Biomedical, Biological, Physical and Engineering Sciences, University of Connecticut Health Center, School of Medicine, Farmington, CT 06030

<sup>3</sup>Department of Medicine, Division of Endocrinology, University of Connecticut Health Center, School of Medicine, Farmington, CT 06030

<sup>4</sup>Department of Biomedical Engineering, University of Connecticut, School of Engineering, Storrs, CT 06268

<sup>5</sup>Department of Orthopaedic Surgery, University of Connecticut Health Center, School of Medicine, Farmington, CT 06030

\*Corresponding author:

Kevin W.-H. Lo, Ph.D.

University of Connecticut Health Center, School of Medicine, Farmington, CT 06030

Tel.: 1-860-679-2949 Fax: 1-860-679-1553 Email address: wlo@uchc.edu

This work was supported by the funding from the State of Connecticut Stem Cell Research

Foundation, NIH-R21-AR060480, and NSF-EFRI# 1332329. There are no conflicts of interest to

disclose.

Abstract: 73 words; Complete manuscript: 3,979 words; No. of references: 94; No. of figure: 4

Download English Version:

## https://daneshyari.com/en/article/7238963

Download Persian Version:

https://daneshyari.com/article/7238963

Daneshyari.com