Accepted Manuscript

Stress relaxing hyaluronic acid-collagen hydrogels promote cell spreading, fiber remodeling, and focal adhesion formation in 3D cell culture

Junzhe Lou, Ryan Stowers, Sungmin Nam, Yan Xia, Ovijit Chaudhuri

PII: S0142-9612(17)30725-1

DOI: 10.1016/j.biomaterials.2017.11.004

Reference: JBMT 18342

To appear in: Biomaterials

Received Date: 23 October 2017

Accepted Date: 3 November 2017

Please cite this article as: Lou J, Stowers R, Nam S, Xia Y, Chaudhuri O, Stress relaxing hyaluronic acid-collagen hydrogels promote cell spreading, fiber remodeling, and focal adhesion formation in 3D cell culture, *Biomaterials* (2017), doi: 10.1016/j.biomaterials.2017.11.004.

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

Stress Relaxing Hyaluronic Acid-Collagen Hydrogels Promote Cell Spreading, Fiber Remodeling, and Focal Adhesion Formation in 3D Cell Culture

Junzhe Lou[†], Ryan Stowers[†], Sungmin Nam, Yan Xia*, and Ovijit Chaudhuri*

J. Lou, Prof. Y. Xia,

Department of Chemistry, Stanford University, Stanford, CA 94305, United States

Dr. R. Stowers, S. Nam, Prof. O. Chaudhuri,

Department of Mechanical Engineering, Stanford University, 452 Escondido Mall, Stanford, CA 94305, United States

J. Lou,

Department of Materials Science and Engineering, Stanford University, Stanford, CA 94305, United States

Address correspondence to: yanx@stanford.edu and chaudhuri@stanford.edu

Keywords: hydrogels, 3D culture, viscoelasticity, focal adhesions

[†]These authors contributed equally to this work

Download English Version:

https://daneshyari.com/en/article/6484755

Download Persian Version:

https://daneshyari.com/article/6484755

<u>Daneshyari.com</u>