Accepted Manuscript

Full length article

Incorporation of Fast Dissolving Glucose Porogens and Poly(lactic-co-glycolic acid) Microparticles Within Calcium Phosphate Cements for Bone Tissue Regeneration

Brandon T. Smith, Alexander Lu, Emma Watson, Marco Santoro, Anthony J. Melchiorri, Eline C. Grosfeld, Jeroen J.J.P. van den Beucken, John A. Jansen, David W. Scott, John P. Fisher, Antonios G. Mikos



PII:	\$1742-7061(18)30457-4
DOI:	https://doi.org/10.1016/j.actbio.2018.07.054
Reference:	ACTBIO 5603
To appear in:	Acta Biomaterialia
Received Date:	17 May 2018
Revised Date:	17 July 2018
Accepted Date:	30 July 2018

Please cite this article as: Smith, B.T., Lu, A., Watson, E., Santoro, M., Melchiorri, A.J., Grosfeld, E.C., van den Beucken, J.J.J., Jansen, J.A., Scott, D.W., Fisher, J.P., Mikos, A.G., Incorporation of Fast Dissolving Glucose Porogens and Poly(lactic-co-glycolic acid) Microparticles Within Calcium Phosphate Cements for Bone Tissue Regeneration, *Acta Biomaterialia* (2018), doi: https://doi.org/10.1016/j.actbio.2018.07.054

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

INCORPORATION OF FAST DISSOLVING GLUCOSE POROGENS AND POLY(LACTIC-CO-GLYCOLIC ACID) MICROPARTICLES WITHIN CALCIUM PHOSPHATE CEMENTS FOR BONE TISSUE REGENERATION

Brandon T. Smith,^{a,b,c,d} Alexander Lu,^a Emma Watson,^{a,b,c,d} Marco Santoro,^{c,g} Anthony J. Melchiorri,^{b,c} Eline C. Grosfeld,^e Jeroen J.J.P. van den Beucken,^e John A. Jansen,^e David W. Scott, ^f John P. Fisher,^{c,f} and Antonios G. Mikos.^{a,b,c*}

^aDepartment of Bioengineering, Rice University, 6500 Main Street, Houston, TX 77030, USA; ^bBiomaterials Lab, Rice University, 6500 Main Street, Houston, TX 77030, USA; ^cNIH / NIBIB Center for Engineering Complex Tissues, USA;

^dMedical Scientist Training Program, Baylor College of Medicine, Houston, TX, USA;

^eDepartment of Biomaterials, Radboudumc, P.O. Box 9101, 6500 HB Nijmegen, The Netherlands;

^fDepartment of Statistics, Rice University, 6500 Main Street, Houston, TX 77030, USA; ^gFischell Department of Bioengineering, University of Maryland, 8278 Paint Branch Dr, College Park, MD 20742;

^{*}To whom correspondence may be addressed:

Antonios G. Mikos, PhD Department of Bioengineering, MS-142 BioScience Research Collaborative Rice University 6500 Main Street Houston, TX-77030 E-mail: mikos@rice.edu Tel: (713) 348-5355 Fax: (713) 348-4244 Download English Version:

https://daneshyari.com/en/article/8959750

Download Persian Version:

https://daneshyari.com/article/8959750

Daneshyari.com