Accepted Manuscript

Controlling release from 3D printed medical devices using CLIP and drug-loaded liquid resins



Cameron J. Bloomquist, Michael B. Mecham, Mark D. Paradzinsky, Rima Janusziewicz, Samuel B. Warner, J. Christopher Luft, Sue J. Mecham, Andrew Z. Wang, Joseph M. DeSimone

PII:	S0168-3659(18)30152-4
DOI:	doi:10.1016/j.jconrel.2018.03.026
Reference:	COREL 9218
To appear in:	Journal of Controlled Release
Received date:	29 August 2017
Revised date:	12 March 2018
Accepted date:	23 March 2018

Please cite this article as: Cameron J. Bloomquist, Michael B. Mecham, Mark D. Paradzinsky, Rima Janusziewicz, Samuel B. Warner, J. Christopher Luft, Sue J. Mecham, Andrew Z. Wang, Joseph M. DeSimone, Controlling release from 3D printed medical devices using CLIP and drug-loaded liquid resins. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Corel(2018), doi:10.1016/j.jconrel.2018.03.026

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

Controlling release from 3D printed medical devices using CLIP and drug-loaded liquid resins

Cameron J. Bloomquist^a, Michael B. Mecham^b, Mark D. Paradzinsky^b, Rima Janusziewicz^c, Samuel B. Warner^{a,d}, J. Christopher Luft^{a,b}, Sue J. Mecham^b, Andrew Z. Wang^{b,e}, Joseph M. DeSimone^{a,b,c,d,f,g,*}

^aDivision of Pharmacoengineering and Molecular Pharmaceutics, Eshelman School of Pharmacy, University of North Carolina at Chapel Hill, Chapel Hill, NC, USA

^bLineberger Comprehensive Cancer Center Institute for Nanomedicine, University of North Carolina at Chapel Hill, Chapel Hill, North Carolina 27599, USA

^cDepartment of Chemistry, University of North Carolina at Chapel Hill, Chapel Hill, NC, 27599, USA

^dJoint Department of Biomedical Engineering, University of North Carolina at Chapel Hill and North Carolina State University, Chapel Hill, North Carolina 27599, USA

^eDepartment of Radiation Oncology, Lineberger Comprehensive Cancer Center, University of North Carolina at Chapel Hill, NC 27599, USA

^fDepartment of Chemical and Biomedical Engineering, North Carolina State University, Raleigh, North Carolina 27695, USA

^gCarbon, Redwood City, California 94063, USA

*Corresponding author. E-mail address: desimone@unc.edu

Download English Version:

https://daneshyari.com/en/article/7859829

Download Persian Version:

https://daneshyari.com/article/7859829

Daneshyari.com