## Accepted Manuscript

A stimuli responsive liposome loaded hydrogel provides flexible on-demand release of therapeutic agents

Hugh S. O'Neill, Caroline C. Herron, Conn L. Hastings, Roel Deckers, Adolfo Lopez Noriega, Helena M. Kelly, Wim E. Hennink, Ciarán O. McDonnell, Fergal J. O'Brien, Eduardo Ruiz-Hernández, Garry P. Duffy

PII: DOI: Reference:	S1742-7061(16)30519-0 http://dx.doi.org/10.1016/j.actbio.2016.10.001 ACTBIO 4467
To appear in:	Acta Biomaterialia
Received Date:	13 June 2016 20 Sontember 2016
Accepted Date:	29 September 2016 2 October 2016



Please cite this article as: O'Neill, H.S., Herron, C.C., Hastings, C.L., Deckers, R., Lopez Noriega, A., Kelly, H.M., Hennink, W.E., McDonnell, C.O., O'Brien, F.J., Ruiz-Hernández, E., Duffy, G.P., A stimuli responsive liposome loaded hydrogel provides flexible on-demand release of therapeutic agents, *Acta Biomaterialia* (2016), doi: http://dx.doi.org/10.1016/j.actbio.2016.10.001

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

A stimuli responsive liposome loaded hydrogel provides flexible on-demand release of therapeutic agents

Hugh S. O'Neill<sup>1,2,3,4</sup>, Caroline C. Herron<sup>1,2,3</sup>, Conn L. Hastings<sup>1,2,3</sup>, Roel Deckers<sup>5,6</sup>, Adolfo Lopez Noriega<sup>1,2,3,4</sup>, Helena M. Kelly<sup>1,4</sup>, Wim E. Hennink<sup>6</sup>, Ciarán O. McDonnell<sup>7</sup>, Fergal J. O'Brien<sup>1,2,3</sup>, Eduardo Ruiz-Hernández<sup>1,2,3,4\*</sup> and Garry P. Duffy<sup>1,2,3\*</sup>

<sup>1</sup>Tissue Engineering Research Group, Dept. of Anatomy, Royal College of Surgeons in Ireland (RCSI), Dublin, Ireland

<sup>2</sup>Trinity Centre for Bioengineering, Trinity College Dublin (TCD), Dublin, Ireland

<sup>3</sup>Advanced Materials and Bioengineering Research (AMBER) Centre, RCSI & TCD, Dublin, Ireland

<sup>4</sup>School of Pharmacy, RCSI, Dublin, Ireland

<sup>5</sup>University Medical Centre, Image Science Institute, Utrecht, The Netherlands

<sup>6</sup>Dept. of Pharmaceutics, Utrecht Institute for Pharmaceutical Sciences, Utrecht University, Utrecht, The Netherlands

<sup>7</sup>Dept. of Vascular Surgery, Mater Misericordiae University Hospital, Dublin, Ireland. Download English Version:

https://daneshyari.com/en/article/6449889

Download Persian Version:

https://daneshyari.com/article/6449889

Daneshyari.com