Accepted Manuscript

Influence of resveratrol release on the tissue response to mechanically adaptive cortical implants

Jessica K. Nguyen, Mehdi Jorfi, Kelly L. Buchanan, Daniel J. Park, E. Johan Foster, Dustin J. Tyler, Stuart J. Rowan, Christoph Weder, Jeffrey R. Capadona

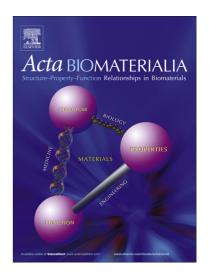
PII: S1742-7061(15)30178-1

DOI: http://dx.doi.org/10.1016/j.actbio.2015.11.001

Reference: ACTBIO 3953

To appear in: Acta Biomaterialia

Received Date: 8 July 2015
Revised Date: 5 October 2015
Accepted Date: 2 November 2015



Please cite this article as: Nguyen, J.K., Jorfi, M., Buchanan, K.L., Park, D.J., Johan Foster, E., Tyler, D.J., Rowan, S.J., Weder, C., Capadona, J.R., Influence of resveratrol release on the tissue response to mechanically adaptive cortical implants, *Acta Biomaterialia* (2015), doi: http://dx.doi.org/10.1016/j.actbio.2015.11.001

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.

Influence of resveratrol release on the tissue response to mechanically adaptive cortical implants

Jessica K. Nguyen,^{1,2} Mehdi Jorfi,^{3#} Kelly L. Buchanan,^{1,2} Daniel J. Park,¹ E. Johan Foster,^{3,4} Dustin J. Tyler,^{1,2} Stuart J. Rowan,⁵ Christoph Weder,³ and Jeffrey R. Capadona^{1,2,*}

¹Department of Biomedical Engineering, Case Western Reserve University, 2071 Martin Luther King Jr. Drive, Wickenden Bldg, Cleveland, OH 44106, USA

²Advanced Platform Technology Center, Louis Stokes Cleveland Department of Veterans Affairs Medical Center, 10701 East Blvd, 151 W/APT, Cleveland, OH 44106-1702, USA

³Adolphe Merkle Institute, University of Fribourg, Chemin des Verdiers 4, 1700 Fribourg, Switzerland

⁴Virginia Tech, Department of Materials Science & Engineering & Macromolecules and Interfaces Institute, 445 Old Turner Street, 213 Holden Hall, Blacksburg VA 24061, USA

⁵Department of Macromolecular Science and Engineering, Case Western Reserve University, 2100 Adelbert Road, Kent Hale Smith Bldg, Cleveland, OH 44106-7202, USA

*Present address: Department of Chemical Engineering, Massachusetts Institute of Technology, Cambridge, MA 02139, USA

*Denotes corresponding author

Direct correspondence to:

Jeffrey R. Capadona, Ph.D. Case Western Reserve University 10900 Euclid Avenue Cleveland, OH

Email: <u>jeffrey.capadona@case.edu</u>

Office: (216) 368-5486

Download English Version:

https://daneshyari.com/en/article/6483382

Download Persian Version:

https://daneshyari.com/article/6483382

<u>Daneshyari.com</u>