

## Accepted Manuscript

Targeted delivery of hyaluronic acid to the ocular surface by a polymer-peptide conjugate system for dry eye disease

David Lee, Qiaozhi Lu, Sven D. Sommerfeld, Amanda Chan, Nikhil G. Menon, Tannin A. Schmidt, Jennifer H. Elisseeff, Anirudha Singh

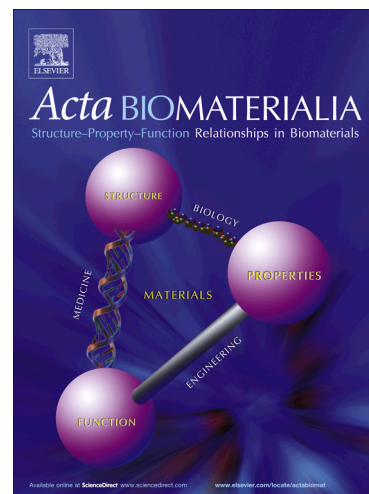
PII: S1742-7061(17)30213-1  
DOI: <http://dx.doi.org/10.1016/j.actbio.2017.03.043>  
Reference: ACTBIO 4811

To appear in: *Acta Biomaterialia*

Received Date: 24 November 2016  
Revised Date: 7 March 2017  
Accepted Date: 27 March 2017

Please cite this article as: Lee, D., Lu, Q., Sommerfeld, S.D., Chan, A., Menon, N.G., Schmidt, T.A., Elisseeff, J.H., Singh, A., Targeted delivery of hyaluronic acid to the ocular surface by a polymer-peptide conjugate system for dry eye disease, *Acta Biomaterialia* (2017), doi: <http://dx.doi.org/10.1016/j.actbio.2017.03.043>

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.



**Targeted delivery of hyaluronic acid to the ocular surface by a polymer-peptide  
conjugate system for dry eye disease**

David Lee<sup>1,\*</sup>, Qiaozhi Lu<sup>1,2,\*</sup>, Sven D. Sommerfeld<sup>1</sup>, Amanda Chan<sup>3</sup>, Nikhil G. Menon<sup>2</sup>,  
Tannin A. Schmidt<sup>3,4</sup>, Jennifer H. Elisseeff<sup>1</sup> and Anirudha Singh<sup>1,5,\*\*</sup>

<sup>1</sup>Translational Tissue Engineering Center,

Department of Biomedical Engineering and Wilmer Eye Institute,

<sup>2</sup>Department of Materials Science & Engineering

Johns Hopkins University, Baltimore, MD, USA

<sup>3</sup>Biomedical Engineering Graduate Program, <sup>4</sup>Faculty of Kinesiology,

University of Calgary, Calgary, AB, Canada

<sup>5</sup>Department of Urology and Department of Chemical & Biomolecular Engineering,

Johns Hopkins University School of Medicine, Baltimore, MD, USA

\*Authors contributed equally to this work

\*\* Corresponding author:

Anirudha Singh, PhD

Address: 600 N Wolfe St / Park 215, Baltimore, MD 21287

Email: asingh29@jhu.edu; Phone: 410-614-4498; Fax: 410-502-7711

Download English Version:

<https://daneshyari.com/en/article/6449221>

Download Persian Version:

<https://daneshyari.com/article/6449221>

[Daneshyari.com](https://daneshyari.com)