# **Accepted Manuscript**

Thermosensitive biomimetic polyisocyanopeptide hydrogels may facilitate wound repair

Roel C.op 't Veld, Onno van den Boomen, Ditte M.S. Lundvig, Ewald Bronkhorst, Paul H.J. Kouwer, John Jansen, Esther Middelkoop, Johannes W. Von den Hoff, Alan E. Rowan, Frank A.D.T.G. Wagener

PII: S0142-9612(18)30523-4

DOI: 10.1016/j.biomaterials.2018.07.038

Reference: JBMT 18781

To appear in: Biomaterials

Received Date: 9 April 2018
Revised Date: 20 July 2018
Accepted Date: 25 July 2018

Please cite this article as: Veld RoelCop', van den Boomen O, Lundvig DMS, Bronkhorst E, Kouwer PHJ, Jansen J, Middelkoop E, Von den Hoff JW, Rowan AE, Wagener FADTG, Thermosensitive biomimetic polyisocyanopeptide hydrogels may facilitate wound repair, *Biomaterials* (2018), doi: 10.1016/j.biomaterials.2018.07.038.

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**

#### Thermosensitive biomimetic polyisocyanopeptide hydrogels may facilitate wound repair

Roel C. op 't Veld<sup>1,3</sup>, Onno van den Boomen<sup>2</sup>, Ditte M.S. Lundvig<sup>3</sup>, Ewald Bronkhorst<sup>4</sup>, Paul H.J. Kouwer<sup>2</sup>, John Jansen<sup>1</sup>, Esther Middelkoop<sup>5,6</sup>, Johannes W. Von den Hoff<sup>3</sup>, Alan E, Rowan<sup>2</sup>, Frank A.D.T.G. Wagener<sup>3,\*</sup>

<sup>1</sup>Department of Biomaterials, Radboud Institute for Molecular Life Sciences, Radboud University Medical Centre, Nijmegen, the Netherlands

<sup>2</sup>Department of Molecular Materials, Institute for Molecules and Materials, Radboud University, Nijmegen, the Netherlands

<sup>3</sup>Department of Orthodontics and Craniofacial Biology, Radboud Institute for Molecular Life Sciences, Radboud University Medical Centre, Nijmegen, the Netherlands

<sup>4</sup>Department of Cariology and Preventive Dentistry, Radboud Institute for Molecular Life Sciences, Radboud University Medical Centre, Nijmegen, the Netherlands

<sup>5</sup>Association of Dutch Burn Centres, Martini Hospital, Groningen, the Netherlands

<sup>6</sup>Dept Plastic, Rec. and Hand Surgery, Amsterdam Movement Sciences, VU University Medical Centre, Amsterdam, the Netherlands

\*Correspondence to: Frank A. D. T. G. Wagener, Department of Orthodontics and Craniofacial Biology, Radboud university medical center, PO Box 9101, 6500HB, Nijmegen, The Netherlands, e-mail: <a href="mailto:Frank.Wagener@radboudumc.nl">Frank.Wagener@radboudumc.nl</a>; Fax: N.A.

## Download English Version:

# https://daneshyari.com/en/article/6484304

Download Persian Version:

https://daneshyari.com/article/6484304

<u>Daneshyari.com</u>