## **Accepted Manuscript**

Hyaluronic acid facilitates chondrogenesis and matrix deposition of human adipose derived mesenchymal stem cells and human chondrocytes co-cultures

Elisabeth Amann, Paul Wolff, Ernst Breel, Martijn van Griensven, Elizabeth R Balmayor

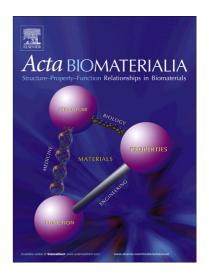
PII: S1742-7061(17)30073-9

DOI: http://dx.doi.org/10.1016/j.actbio.2017.01.064

Reference: ACTBIO 4699

To appear in: Acta Biomaterialia

Received Date: 13 August 2016 Revised Date: 8 January 2017 Accepted Date: 23 January 2017



Please cite this article as: Amann, E., Wolff, P., Breel, E., van Griensven, M., Balmayor, E.R., Hyaluronic acid facilitates chondrogenesis and matrix deposition of human adipose derived mesenchymal stem cells and human chondrocytes co-cultures, *Acta Biomaterialia* (2017), doi: http://dx.doi.org/10.1016/j.actbio.2017.01.064

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**

- 1 Hyaluronic acid facilitates chondrogenesis and matrix deposition of human adipose
- 2 derived mesenchymal stem cells and human chondrocytes co-cultures
- 3 Elisabeth Amann<sup>a</sup>, Paul Wolff<sup>a</sup>, Ernst Breel<sup>b</sup>, Martijn van Griensven<sup>a</sup>, Elizabeth R
- 4 Balmayor<sup>a,\*</sup>
- 5 <sup>a</sup>Experimental Trauma Surgery, Klinikum rechts der Isar, Technical University of Munich,
- 6 81675 Munich, Germany
- 7 bOptics11 BV, 1081 HV Amsterdam, The Netherlands

8

- 9 \*Corresponding author:
- 10 Elizabeth Rosado Balmayor, PhD
- 11 Experimental Trauma Surgery
- 12 Klinikum rechts der Isar
- 13 Technical University of Munich
- 14 Ismaninger Str. 22, 81675 Munich, Germany
- 15 Phone: +49 89 4140 9754
- 16 Fax: +49 89 4140 7526
- 17 Email: elizabeth.rosado-balmayor@tum.de

18

## Download English Version:

## https://daneshyari.com/en/article/6449660

Download Persian Version:

https://daneshyari.com/article/6449660

<u>Daneshyari.com</u>