

Accepted Manuscript

Human osteoarthritic synovium impacts chondrogenic differentiation of mesenchymal stem cells via macrophage polarisation state

N. Fahy , MSc M.L. de Vries-van Melle , PhD J. Lehmann , MSc W. Wei , MD N. Grotenhuis , MD E. Farrell , PhD P.M. van der Kraan , PhD J.M. Murphy , PhD Y.M. Bastiaansen-Jenniskens , PhD G.J.V.M. van Osch , PhD

PII: S1063-4584(14)01100-5

DOI: [10.1016/j.joca.2014.05.021](https://doi.org/10.1016/j.joca.2014.05.021)

Reference: YJOCA 3164

To appear in: *Osteoarthritis and Cartilage*

Received Date: 6 November 2013

Revised Date: 21 May 2014

Accepted Date: 28 May 2014

Please cite this article as: Fahy N, de Vries-van Melle M, Lehmann J, Wei W, Grotenhuis N, Farrell E, van der Kraan P, Murphy J, Bastiaansen-Jenniskens Y, van Osch G, Human osteoarthritic synovium impacts chondrogenic differentiation of mesenchymal stem cells via macrophage polarisation state, *Osteoarthritis and Cartilage* (2014), doi: 10.1016/j.joca.2014.05.021.

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.



1 **Human osteoarthritic synovium impacts chondrogenic differentiation of mesenchymal**
2 **stem cells via macrophage polarisation state**

3

4 *N Fahy^{1,2}, ML de Vries-van Melle², J Lehmann², W Wei², N Grotenhuis^{3,4}, E Farrell^{1,5}, PM*
5 *van der Kraan⁶, JM Murphy¹, YM Bastiaansen-Jenniskens², GJVM van Osch^{2,4}*

6

7 ¹ Regenerative Medicine Institute, National University of Ireland Galway

8 ²Department of Orthopaedics, Erasmus MC, University Medical Center, Rotterdam, the
9 Netherlands

10 ³Department of Surgery, Erasmus MC, University Medical Center, Rotterdam, the
11 Netherlands

12 ⁴Department of Otorhinolaryngology, Erasmus MC, University Medical Center, Rotterdam,
13 the Netherlands

14 ⁵Department of Oral and Maxillofacial Surgery, Erasmus MC, University Medical Center,
15 Rotterdam, the Netherlands

16 ⁶Department of Rheumatology, Radboud University Medical Centre, Nijmegen, the
17 Netherlands

18

19

20 **Contact information**

21

22 N Fahy MSc^{1,2}

n.fahy1@nuigalway.ie

23 ML de Vries-van Melle PhD²

m.vanmelle@erasmusmc.nl

24 J Lehmann MSc²

j.lehmann@erasmusmc.nl

25 W Wei MD²

w.wei@erasmusmc.nl

Download English Version:

<https://daneshyari.com/en/article/6124952>

Download Persian Version:

<https://daneshyari.com/article/6124952>

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