

Accepted Manuscript

Review

Multi-scale imaging techniques to investigate solute transport across articular cartilage

Behdad Pouran, Vahid Arbabi, Ambika G. Bajpayee, Jasper van Tiel, Juha Töyras, Jukka S. Jurvelin, Jos Malda, Amir A. Zadpoor, Harrie Weinans

PII: S0021-9290(18)30443-3

DOI: <https://doi.org/10.1016/j.jbiomech.2018.06.012>

Reference: BM 8750

To appear in: *Journal of Biomechanics*

Received Date: 17 January 2018

Revised Date: 11 June 2018

Accepted Date: 19 June 2018



Please cite this article as: B. Pouran, V. Arbabi, A.G. Bajpayee, J. van Tiel, J. Töyras, J.S. Jurvelin, J. Malda, A.A. Zadpoor, H. Weinans, Multi-scale imaging techniques to investigate solute transport across articular cartilage, *Journal of Biomechanics* (2018), doi: <https://doi.org/10.1016/j.jbiomech.2018.06.012>

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.

Multi-scale imaging techniques to investigate solute transport across articular cartilage

Behdad Pouran^{1,2}, Vahid Arbabi^{1,2,3}, Ambika G. Bajpayee⁵, Jasper van Tiel⁶, Juha Töyras^{7,8},
Jukka S. Jurvelin⁷, Jos Malda¹, Amir A. Zadpoor², Harrie Weinans^{1,2,4*}

¹*Department of Orthopedics, UMC Utrecht, Heidelberglaan100, 3584CX Utrecht, The Netherlands*

²*Department of Biomechanical Engineering, Faculty of Mechanical, Maritime, and Materials Engineering, Delft University of Technology (TU Delft), Mekelweg 2, 2628 CD, Delft, The Netherlands*

³*Department of Mechanical Engineering, Faculty of Engineering, University of Birjand, 6159175 Birjand, Iran*

⁴*Department of Rheumatology, UMC Utrecht, Heidelberglaan100, 3584CX Utrecht, The Netherlands*

⁵*Department of Bioengineering, Northeastern University, 211 Lake Hall 360 Huntington Avenue, Boston, MA 02115, Massachusetts, USA*

⁶*Department of Orthopedic Surgery, Erasmus MC, University Medical Center, Rotterdam, The Netherlands*

⁷*Department of Applied Physics, University of Eastern Finland, Kuopio, Finland*

⁸*Department of Applied Physics, University of Eastern Finland, Kuopio, Finland*

Download English Version:

<https://daneshyari.com/en/article/8960645>

Download Persian Version:

<https://daneshyari.com/article/8960645>

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