

Accepted Manuscript

Osteoarthritis as a disease of the cartilage pericellular matrix

Farshid Guilak, Robert Nims, Amanda Dicks, Chia-Lung Wu, Ingrid Meulenbelt



PII: S0945-053X(18)30182-3
DOI: [doi:10.1016/j.matbio.2018.05.008](https://doi.org/10.1016/j.matbio.2018.05.008)
Reference: MATBIO 1497

To appear in:

Received date: 25 April 2018
Revised date: 21 May 2018
Accepted date: 21 May 2018

Please cite this article as: Farshid Guilak, Robert Nims, Amanda Dicks, Chia-Lung Wu, Ingrid Meulenbelt , Osteoarthritis as a disease of the cartilage pericellular matrix. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. *Matbio*(2017), doi:[10.1016/j.matbio.2018.05.008](https://doi.org/10.1016/j.matbio.2018.05.008)

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.

Osteoarthritis as a disease of the cartilage pericellular matrix

^{1,2,3}Farshid Guilak, ^{1,2}Robert Nims, ^{1,2,3}Amanda Dicks, ^{1,2}Chia-Lung Wu, and ⁴Ingrid Meulenbelt

¹Department of Orthopaedic Surgery, Washington University, Saint Louis, MO 63110

²Shriners Hospitals for Children – St. Louis, St. Louis MO 63110

³Department of Biomedical Engineering, Washington University, Saint Louis, MO 63110

⁴Department of Molecular Epidemiology, Leiden University Medical Center, Leiden, The
Netherlands

Address for correspondence:

Farshid Guilak, Ph.D.

Center of Regenerative Medicine

Couch Biomedical Research Bldg., Room 3121

Campus Box 8233

Washington University

Saint Louis, MO 63110

Email address: guilak@wustl.edu

Running Title: Osteoarthritis and the chondrocyte PCM

Keywords: Chondron, chondrocyte, type VI collagen, perlecan, aggrecan, osteoarthritis, territorial matrix, decorin, mechanobiology, mechanotransduction, extracellular matrix, intervertebral disc, meniscus

Download English Version:

<https://daneshyari.com/en/article/10157689>

Download Persian Version:

<https://daneshyari.com/article/10157689>

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