### Accepted Manuscript

Towards Optimized MRI Contrast Agents for Implant Engineering: Clustering and Immobilization Effects of Magnetic Nanoparticles

Benedikt Mues, Eva M. Buhl, T. Schmitz-Rode, Ioana Slabu

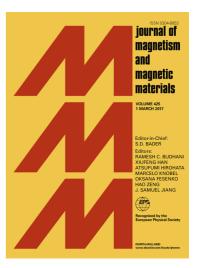
PII: S0304-8853(18)32012-2

DOI: https://doi.org/10.1016/j.jmmm.2018.09.119

Reference: MAGMA 64401

To appear in: Journal of Magnetism and Magnetic Materials

Received Date: 24 June 2018
Revised Date: 7 September 2018
Accepted Date: 28 September 2018



Please cite this article as: B. Mues, E.M. Buhl, T. Schmitz-Rode, I. Slabu, Towards Optimized MRI Contrast Agents for Implant Engineering: Clustering and Immobilization Effects of Magnetic Nanoparticles, *Journal of Magnetism and Magnetic Materials* (2018), doi: https://doi.org/10.1016/j.jmmm.2018.09.119

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**

# Towards Optimized MRI Contrast Agents for Implant Engineering: Clustering and Immobilization Effects of Magnetic Nanoparticles

Benedikt Mues<sup>a\*</sup>, Eva M. Buhl<sup>b</sup>, T. Schmitz-Rode<sup>a</sup>, and Ioana Slabu<sup>a\*</sup>

<sup>a</sup>Institute of Applied Medical Engineering, Helmholtz Institute, Medical Faculty, RWTH Aachen University, Germany

<sup>b</sup>Institute of Pathology, Electron Microscopy Facility, RWTH University Hospital Aachen, 52074 Aachen, Germany

\*Corresponding authors:
Benedikt Mues
Institute of Applied Medical Engineering, Helmholtz Institute

Pauwelsstrasse 20 52072 Aachen

Germany

E-mail: mues@ame.rwth-aachen.de

Ioana Slabu
Institute of Applied Medical Engineering, Helmholtz Institute
Pauwelsstrasse 20
52072 Aachen
Germany

E-mail: slabu@ame.rwth-aachen.de

#### Download English Version:

## https://daneshyari.com/en/article/11026350

Download Persian Version:

https://daneshyari.com/article/11026350

<u>Daneshyari.com</u>