## Accepted Manuscript

Evaluation of endocytosis of silica particles used in biodegradable implants in the brain

J. Zielinski, A.M. Möller, M. Frenz, M. Mevissen

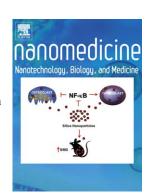
PII: S1549-9634(16)00102-7

DOI: doi: 10.1016/j.nano.2016.02.009

Reference: NANO 1297

To appear in: Nanomedicine: Nanotechnology, Biology, and Medicine

Received date: 30 November 2015 Revised date: 29 January 2016 Accepted date: 2 February 2016



Please cite this article as: Zielinski J, Möller AM, Frenz M, Mevissen M, Evaluation of endocytosis of silica particles used in biodegradable implants in the brain, *Nanomedicine: Nanotechnology, Biology, and Medicine* (2016), doi: 10.1016/j.nano.2016.02.009

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

Evaluation of endocytosis of silica particles used in biodegradable implants in the brain

## J. Zielinski<sup>1a</sup>, A. M. Möller<sup>1,2a</sup>, M. Frenz<sup>2</sup>, M. Mevissen<sup>1</sup>

<sup>1</sup> Veterinary Pharmacology and Toxicology, Department Clinical Research and Veterinary Public Health,

Vetsuisse Faculty University Bern, Länggassstrasse 124, 3012 Bern, Switzerland

<sup>2</sup> Institute of Applied Physics, University Bern, Sidlerstrasse 5, 3012 Bern, Switzerland

<sup>a</sup> Authors equally contributed to this work

Corresponding author: M. Mevissen; meike.mevissen@vetsuisse.unibe.ch; Veterinary Pharmacology and Toxicology, Department Clinical Research and Veterinary Public Health, Vetsuisse Faculty University Bern, Länggassstrasse 124, 3012 Bern, Switzerland

Word Count Abstract: 148 words

Word Count (Body Text & Figure legends): 4916 words

Number of figures: 8

Number of references: 48

Number of tables: 3

#### **Declaration of Interest**

This work was funded by the Swiss National Science Foundation (NRP64, project #131297)

Keywords: Nanoparticles, uptake mechanism, high-content analysis, microglia

#### Download English Version:

# https://daneshyari.com/en/article/10435702

Download Persian Version:

https://daneshyari.com/article/10435702

<u>Daneshyari.com</u>