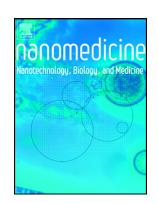
Accepted Manuscript

A method for optical imaging and monitoring of the excretion of fluorescent nanocomposites from the body using artificial neural networks

Olga E. Sarmanova, Sergey A. Burikov, Sergey A. Dolenko, Igor V. Isaev, Kirill A. Laptinskiy, Neeraj Prabhakar, Didem Şen Karaman, Jessica M. Rosenholm, Olga A. Shenderova, Tatiana A. Dolenko



PII: S1549-9634(18)30071-6

DOI: doi:10.1016/j.nano.2018.03.009

Reference: NANO 1780

To appear in:

Received date: 7 November 2017 Revised date: 19 February 2018 Accepted date: 31 March 2018

Please cite this article as: Olga E. Sarmanova, Sergey A. Burikov, Sergey A. Dolenko, Igor V. Isaev, Kirill A. Laptinskiy, Neeraj Prabhakar, Didem Şen Karaman, Jessica M. Rosenholm, Olga A. Shenderova, Tatiana A. Dolenko, A method for optical imaging and monitoring of the excretion of fluorescent nanocomposites from the body using artificial neural networks. The address for the corresponding author was captured as affiliation for all authors. Please check if appropriate. Nano(2018), doi:10.1016/j.nano.2018.03.009

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

A method for optical imaging and monitoring of the excretion of fluorescent nanocomposites from the body using artificial neural networks

Olga E. Sarmanova^a, Sergey A. Burikov^{a,b}, Sergey A. Dolenko^b, Igor V. Isaev^{a,b}, Kirill A. Laptinskiy^{a,b}, Neeraj Prabhakar^c, Didem Şen Karaman^c, Jessica M. Rosenholm^c, Olga A. Shenderova^d, Tatiana A. Dolenko^{a,b*}

- a. Lomonosov Moscow State University, Physical Department, 119991, Moscow, Russia
- b. Skobeltsyn Institute of Nuclear Physics, Lomonosov Moscow State University, 119991,
 Moscow, Russia
- c. Pharmaceutical Sciences Laboratory, Faculty of Science and Engineering, Åbo Akademi University, Turku, Finland
- d. Adámas Nanotechnologies, Inc., 8100 Brownleigh Drive, Suite 120, Raleigh, North Carolina 27617, United States

E-mail of all authors: oe.sarmanova@physics.msu.ru, sergey.burikov@gmail.com, dolenko@srd.sinp.msu.ru, isaev_igor@mail.ru, onelumen@gmail.com, neepra@utu.fi, didem.sen@abo.fi, jessica.rosenholm@abo.fi, oshenderova@itc-inc.org, tdolenko@mail.ru.

*Correspondence should be addressed to T. A. Dolenko (tdolenko@lid.phys.msu.ru, tdolenko@mail.ru)

Phone: +7 (495) 939-16-53 (office), +7 (916) 514-63-88 (mobile)

Fax: +7 (495) 939-11-04

Physical Department, Lomonosov Moscow State University, 1 bldg.2 Leninskie Gory, Moscow, 119991, Russian Federation

Download English Version:

https://daneshyari.com/en/article/7238468

Download Persian Version:

https://daneshyari.com/article/7238468

<u>Daneshyari.com</u>