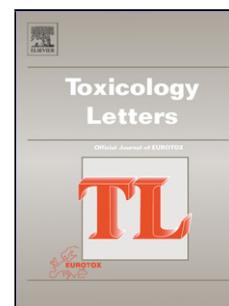


Accepted Manuscript

Title: SILVER IONS ARE RESPONSIBLE FOR MEMORY IMPAIRMENT INDUCED BY ORAL ADMINISTRATION OF SILVER NANOPARTICLES

Authors: M. Węsierska, K. Dziendzikowska, J. Gromadzka-Ostrowska, J. Dudek, H. Polkowska-Motrenko, J.N. Audinot, A.C. Gutleb, A. Lankoff, M. Kruszewski



PII: S0378-4274(18)30106-1
DOI: <https://doi.org/10.1016/j.toxlet.2018.03.019>
Reference: TOXLET 10134

To appear in: *Toxicology Letters*

Received date: 26-10-2017
Revised date: 14-2-2018
Accepted date: 18-3-2018

Please cite this article as: Węsierska, M., Dziendzikowska, K., Gromadzka-Ostrowska, J., Dudek, J., Polkowska-Motrenko, H., Audinot, J.N., Gutleb, A.C., Lankoff, A., Kruszewski, M., SILVER IONS ARE RESPONSIBLE FOR MEMORY IMPAIRMENT INDUCED BY ORAL ADMINISTRATION OF SILVER NANOPARTICLES. *Toxicology Letters* <https://doi.org/10.1016/j.toxlet.2018.03.019>

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.

**SILVER IONS ARE RESPONSIBLE FOR MEMORY IMPAIRMENT INDUCED BY
ORAL ADMINISTRATION OF SILVER NANOPARTICLES**

M. Węsierska¹, K. Dziendzikowska², J. Gromadzka-Ostrowska², J. Dudek³, H. Polkowska-Motrenko³,
J.N. Audinot⁴, A. C. Gutleb⁵, A. Lankoff^{6,7}, M. Kruszewski^{6,8,9}

¹ Department of Neurophysiology, Nencki Institute of Experimental Biology, Polish Academy of Sciences, 3 Pasteur Street, 02-093 Warsaw, Poland.

² Division of Nutrition Physiology, Department of Dietetics, Faculty of Human Nutrition and Consumer Science, Warsaw University of Life Sciences – SGGW, Nowoursynowska 159C, 02-776, Warsaw, Poland.

³ Laboratory of Nuclear Analytical Methods, Institute of Nuclear Chemistry and Technology, Dorodna 16, 03-195 Warsaw, Poland.

⁴ Materials Research and Technology (MRT) Department, Luxembourg Institute of Science and Technology (LIST), 5 avenue des Hauts-Forneaux, L-4362 Esch-sur-Alzette, Luxembourg.

⁵ Environmental Research and Innovation (ERIN) Department, Luxembourg Institute of Science and Technology (LIST), 5 avenue des Hauts-Forneaux, L-4362 Esch-sur-Alzette, Luxembourg.

⁶ Centre for Radiobiology and Biological Dosimetry, Institute of Nuclear Chemistry and Technology, Dorodna 16, 03-195 Warsaw, Poland.

⁷ Department of Radiobiology and Immunology, Institute of Biology, Jan Kochanowski University, Świetokrzyska 15, 25-406 Kielce, Poland.

⁸ Department of Molecular Biology and Translational Research, Institute of Rural Health, Jaczewskiego 2, 20-090 Lublin, Poland.

⁹ Department of Medical Biology and Translational Research, Faculty of Medicine, University of Information Technology and Management, Sucharskiego 2, 35-225 Rzeszów, Poland.

Download English Version:

<https://daneshyari.com/en/article/8553306>

Download Persian Version:

<https://daneshyari.com/article/8553306>

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