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RETRACTION

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Retraction: Biocompatible dextran-coated gadolinium-doped cerium oxide nanoparticles as MRI contrast agents with high T_1 relaxivity and selective cytotoxicity to cancer cells

A. L. Popov,[ab] M. A. Abakumov,[cd] I. V. Savintseva,[b] A. M. Ermakov,[b] N. R. Popova,[b] O. S. Ivanova,[a] D. D. Kolmanovich,[b] A. E. Baranchikov[a] and V. K. Ivanov*[a]

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Retraction of 'Biocompatible dextran-coated gadolinium-doped cerium oxide nanoparticles as MRI contrast agents with high T_1 relaxivity and selective cytotoxicity to cancer cells' by A. L. Popov *et al.*, *J. Mater. Chem. B*, 2021, **9**, 6586–6599, https://doi.org/10.1039/D1TB01147B.

The Royal Society of Chemistry, with the agreement of the authors, hereby wholly retracts this *Journal of Materials Chemistry B* article due to concerns with the reliability of the data.

In the TEM data in Fig. 1b there is an unexpected repeating pattern.

In Fig. 5a the 5 panels for hMSc control to 5 mg mL^{-1} are identical to the panels for 24 h control, 0.6 mg mL^{-1} to 5 mg mL^{-1} of sample 1 in Fig. 5 of ref. 1.

In Fig. 6a the 4 panels for hMsc control to 2.5 mg mL^{-1} are identical to the panels for 24 h control, 0.6 mg mL^{-1} to 2.5 mg mL^{-1} of sample 1 in Fig. 6 of ref. 1.

In Fig. 6a the panel for MCF-7 control has partial overlap with the panel for MCF-7 5 mg mL^{-1}.

Given the significance of these concerns, the findings presented in this paper are no longer reliable.

Signed: A. L. Popov, M. A. Abakumov, I. V. Savintseva, A. M. Ermakov, N. R. Popova, O. S. Ivanova, D. D. Kolmanovich, A. E. Baranchikov and V. K. Ivanov

Date: 27th May 2025

Retraction endorsed by **Michaela Mühlberg**, Executive Editor, *Journal of Materials Chemistry B*

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[a] *Kurnakov Institute of General and Inorganic Chemistry of the Russian Academy of Sciences, Leninsky av., 31, Moscow 119991, Russia. E-mail: van@igic.ras.ru*
[b] *Institute of Theoretical and Experimental Biophysics of the Russian Academy of Sciences, Institutskaya, 3, Pushchino 142290, Russia*
[c] *Department of Medical Nanobiotechnology, Pirogov Russian National Research Medical University, 117997 Moscow, Russia*
[d] *Biomedical Nanomaterials Laboratory, National University of Science and Technology "MISiS", Leninskiy prospect, 4, Moscow, Russia*