



Cite this: *Nanoscale*, 2024, **16**, 9136

## Expression of concern: Gadolinium embedded iron oxide nanoclusters as $T_1$ – $T_2$ dual-modal MRI-visible vectors for safe and efficient siRNA delivery

Xiaoyong Wang,<sup>a</sup> Zijian Zhou,<sup>a,b</sup> Zhiyong Wang,<sup>d</sup> Yunxin Xue,<sup>a</sup> Yun Zeng,<sup>a</sup> Jinhao Gao,<sup>a,b</sup> Lei Zhu,<sup>a</sup> Xianzhong Zhang,<sup>a</sup> Gang Liu\*<sup>a,c</sup> and Xiaoyuan Chen\*<sup>e</sup>

DOI: 10.1039/d4nr90085e  
[rsc.li/nanoscale](https://doi.org/10.1039/d4nr90085e)

Expression of concern for 'Gadolinium embedded iron oxide nanoclusters as  $T_1$ – $T_2$  dual-modal MRI-visible vectors for safe and efficient siRNA delivery' by Xiaoyong Wang *et al.*, *Nanoscale*, 2013, **5**, 8098–8104, <https://doi.org/10.1039/C3NR02797J>.

*Nanoscale* is publishing this expression of concern in order to alert our readers that we are presently unsure of the reliability of the data reported in Fig. 8.

The authors have provided a replacement figure for consideration and say that the new data does not affect the conclusions of the paper. The Royal Society of Chemistry has asked the affiliated institution to investigate this matter and establish whether the replacement images provided by the authors provide an accurate representation of the experiments that were conducted and confirm the integrity and reliability of the new data provided.

An expression of concern will continue to be associated with this manuscript until we receive information from the institution on this matter.

Heather Montgomery  
 11<sup>th</sup> April 2024  
 Managing Editor, *Nanoscale*

<sup>a</sup>Center for Molecular Imaging and Translational Medicine, School of Public Health, Xiamen University, Xiamen, Fujian, China. E-mail: [gangliu.cmitm@xmu.edu.cn](mailto:gangliu.cmitm@xmu.edu.cn)

<sup>b</sup>State Key Laboratory of Physical Chemistry of Solid Surfaces, The Key Laboratory for Chemical Biology of Fujian Province and Department of Chemical Biology College of Chemistry and Chemical Engineering Xiamen University, Xiamen 361005, China

<sup>c</sup>State Key Laboratory of Cellular Stress Biology, School of Life Sciences, Xiamen University, Xiamen, China

<sup>d</sup>Paul C. Lauterbur Research Center for Biomedical Imaging, Institute of Biomedical and Health Engineering, Shenzhen Institutes of Advanced Technology, Chinese Academy of Sciences, Shenzhen 518055, China

<sup>e</sup>Laboratory of Molecular Imaging and Nanomedicine (LOMIN), National Institute of Biomedical Imaging and Bioengineering (NIBIB), National Institutes of Health (NIH), 31 Center Dr, 1C22, Bethesda, MD 20892-2281, USA. E-mail: [shawn.chen@nih.gov](mailto:shawn.chen@nih.gov)

