

## CORRECTION

[View Article Online](#)  
[View Journal](#) | [View Issue](#)



Cite this: *Biomater. Sci.*, 2021, **9**, 1048

DOI: 10.1039/d0bm90110e  
[rsc.li/biomaterials-science](http://rsc.li/biomaterials-science)

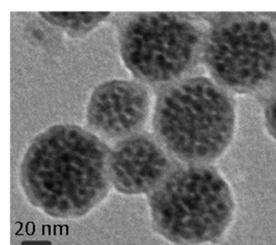
## Correction: *In vivo* migration of $\text{Fe}_3\text{O}_4$ @polydopamine nanoparticle-labeled mesenchymal stem cells to burn injury sites and their therapeutic effects in a rat model

Xiuying Li,<sup>a</sup> Zhenhong Wei,<sup>a</sup> Binxi Li,<sup>b</sup> Jing Li,<sup>a</sup> Huiying Lv,<sup>a</sup> Liya Wu,<sup>a</sup> Hao Zhang,<sup>b</sup> Bai Yang,<sup>b</sup> Mingji Zhu<sup>\*a</sup> and Jinlan Jiang<sup>\*a</sup>

Correction for '*In vivo* migration of  $\text{Fe}_3\text{O}_4$ @polydopamine nanoparticle-labeled mesenchymal stem cells to burn injury sites and their therapeutic effects in a rat model' by Xiuying Li *et al.*, *Biomater. Sci.*, 2019, **7**, 2861–2872, DOI: 10.1039/C9BM00242A.

The authors regret errors in Fig. 1c, 3a and 5e in the original article. The corrected figures are shown below. In Fig. 1c, the authors wish to use a different TEM image to the one in Fig. 2a in their previous Biomaterials Science paper.<sup>1</sup> In Fig. 3a, the 100, 150 and 200  $\mu\text{g ml}^{-1}$  panels have been replaced as the original panels were incorrect leading to partial overlap with the 50  $\mu\text{g ml}^{-1}$  panel. In Fig. 5e, the MSC and MSC + NPs bands for  $\beta$ -actin have been reversed as the original bands were incorrectly labelled due to being in the wrong orientation.

The raw data for Fig. 3a and 5e were provided by the authors and reviewed by an independent expert.

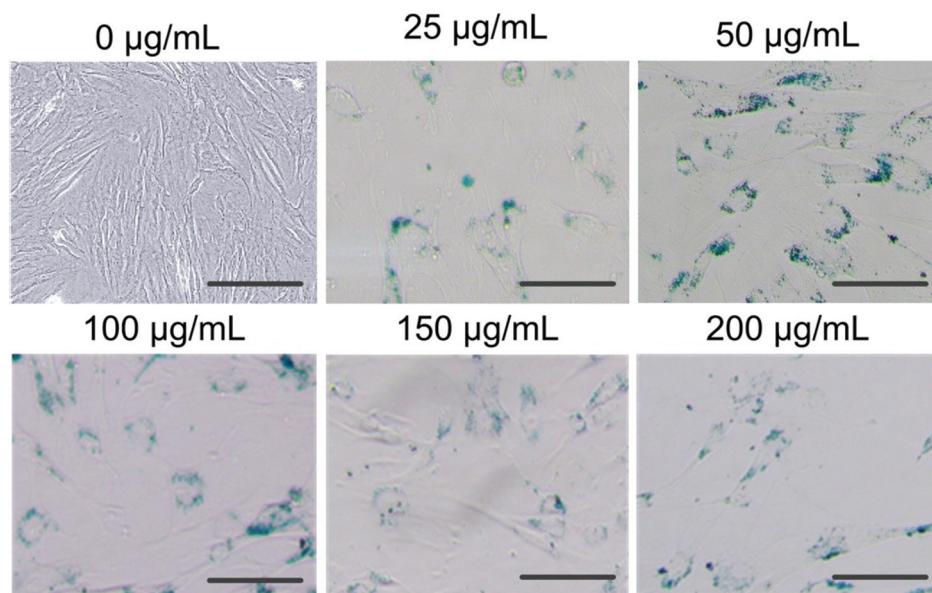


**Fig. 1**  $\text{Fe}_3\text{O}_4$ @PDA nanoparticle preparation and internalization by MSCs. (C) The TEM image of a representative  $\text{Fe}_3\text{O}_4$ @PDA nanoparticle. Scale bar = 20 nm.

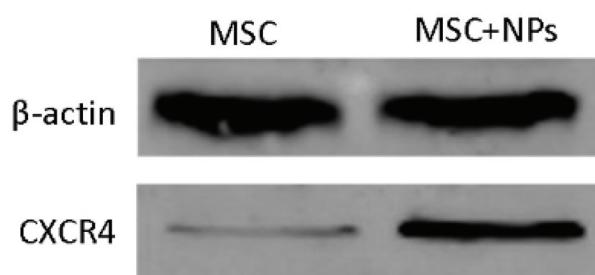
<sup>a</sup>Scientific Research Center, China-Japan Union Hospital of Jilin University, Changchun, Jilin, China. E-mail: [jiangjinlan@jlu.edu.cn](mailto:jiangjinlan@jlu.edu.cn), [zhumingji0822@q63.com](mailto:zhumingji0822@q63.com); Tel: +86 18186811856

<sup>b</sup>State Key Laboratory of Supramolecular Structure and Materials, College of Chemistry, Jilin University, Changchun, Jilin, China





**Fig. 3** Viability and proliferation potential of the  $\text{Fe}_3\text{O}_4@\text{PDA}$ -labeled MSCs. (A) Photomicrographs showing the morphology of the MSCs labeled with the NPs at concentrations of 0, 25, 50, 100, 150, and 200  $\mu\text{g mL}^{-1}$ . Scale bars = 100  $\mu\text{m}$ .



**Fig. 5** Effect of the  $\text{Fe}_3\text{O}_4@\text{PDA}$  NPs on MSC migration *in vitro*. The migration of the MSCs labeled with 50  $\mu\text{g mL}^{-1}$  NPs for 16 h. (E) Protein expression of CXCR4 in the MSCs labeled with 50  $\mu\text{g mL}^{-1}$  NPs for 16 h, evaluated by western blotting.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

## References

- 1 L. Wu, F. Zhang, Z. Wei, X. Li, H. Zhao, H. Lv, R. Ge, H. Ma, H. Zhang, B. Yang, J. Li and J. Jiang, *Biomater. Sci.*, 2018, **6**, 2714.

