

RETRACTION NOTE

Open Access



Retraction Note to: A stepwise-targeting strategy for the treatment of cerebral ischemic stroke

Jingbo Hu^{1*†}, Xueying Tan^{2†}, Dongwei Wang¹, Yixuan Li¹, Hongze Liang¹, Jiejun Peng^{3*}, Fengyan Li², Quan Zhou⁴, Peiwu Geng⁴, Shuanghu Wang⁴, Yue Yu⁵ and Jin Liu^{4*}

Retraction to: *Journal of Nanobiotechnology* (2021) 19:371 <https://doi.org/10.1186/s12951-021-01118-6>

The Editors-in-Chief have retracted this article. After publication, the following concerns were raised:

- in Fig. 3, the Heart/Saline panel and Heart/Micelle panels partially overlap, respectively, with the Heart/HA-CUR panel and Heart/CUR panel in Fig. S2 in [1];
- in Fig. 3, the Heart/Saline and Heart/Micelles panels partially overlap, respectively, with Heart/DEX-SS-IND and Heart/Saline panel in Fig. 7 in [2];
- in Fig. 4a, the TGN/cy3 micelles panel in 2.0 h line overlaps with the SA-DEX-CUR panel in the e-Selectin line in Fig. 4 in [3];
- in Fig. 5D, panels H₂O₂ and H₂O₂ + TPP-MLT overlap, respectively, with panels PTX and FA@PPMoV@PTX in Fig. 4B in [4].

Following these concerns author Jingbo Hu contacted the journal requesting a retraction. They did not respond to the editor's request to share original data. The Editors-in-Chief therefore no longer have confidence in the integrity of the data in this article.

Jingbo Hu agrees to this retraction. The other authors have not responded to any correspondence from the editor/publisher about this retraction.

Author details

¹Faculty of Materials Science and Chemical Engineering, Ningbo University, Ningbo 315211, China. ²College of Pharmacy, Zhejiang Pharmaceutical College, Ningbo 315100, China. ³State Key Laboratory for Managing Biotic and Chemical Threats to the Quality and Safety of Agroproducts, Institute of Plant Virology, Ningbo University, Ningbo 315211, Zhejiang, China. ⁴Department of Neurosurgery, The People's Hospital of Lishui, The Sixth Affiliated Hospital of Wenzhou Medical University, Lishui 323000, China. ⁵Department of Pharmacy, Ningbo Women and Children's Hospital, Ningbo 315012, China.

Published online: 12 October 2022

The original article can be found online at <https://doi.org/10.1186/s12951-021-01118-6>.

[†]Jingbo Hu and Xueying Tan contributed equally to this paper

*Correspondence: hujingbo@nbu.edu.cn; pengjiejun@nbu.edu.cn; liujin-614@163.com

¹ Faculty of Materials Science and Chemical Engineering, Ningbo University, Ningbo 315211, China

³ State Key Laboratory for Managing Biotic and Chemical Threats to the Quality and Safety of Agroproducts, Institute of Plant Virology, Ningbo University, Ningbo 315211, Zhejiang, China

⁴ Department of Neurosurgery, The People's Hospital of Lishui, The Sixth Affiliated Hospital of Wenzhou Medical University, Lishui 323000, China
Full list of author information is available at the end of the article

References

1. Hu J, Li Sh, Kang X, Qi J, Wu J, Wang X, Xu X, Ying X, Jiang S, You J, Du Y. CD44-targeted hyaluronic acid-curcumin prodrug protects renal tubular epithelial cell survival from oxidative stress damage. *Carbohydr Polym.* 2018;193:268–80. <https://doi.org/10.1016/j.carbpol.2018.04.011>.
2. Wang S, Tan X, Li S, Zhou Y, Geng P, Hua A, Deng A, Yu Z. Indomethacin-based stimuli-responsive micelles combined with paclitaxel to overcome multidrug resistance. *Oncotarget.* 2017;8(67):111281. <https://doi.org/10.18632/oncotarget.22781>.
3. Hu JB, Liu D, Qi J, Lu KJ, Jin FY, Ying XY, You J, Du YZ. An E-selectin targeting and MMP-2-responsive dextran-curcumin polymeric prodrug for targeted therapy of acute kidney injury. *Biomater Sci.* 2018;6(12):3397–409. <https://doi.org/10.1039/C8BM00813B>.



© The Author(s) 2022. **Open Access** This article is licensed under a Creative Commons Attribution 4.0 International License, which permits use, sharing, adaptation, distribution and reproduction in any medium or format, as long as you give appropriate credit to the original author(s) and the source, provide a link to the Creative Commons licence, and indicate if changes were made. The images or other third party material in this article are included in the article's Creative Commons licence, unless indicated otherwise in a credit line to the material. If material is not included in the article's Creative Commons licence and your intended use is not permitted by statutory regulation or exceeds the permitted use, you will need to obtain permission directly from the copyright holder. To view a copy of this licence, visit <http://creativecommons.org/licenses/by/4.0/>. The Creative Commons Public Domain Dedication waiver (<http://creativecommons.org/publicdomain/zero/1.0/>) applies to the data made available in this article, unless otherwise stated in a credit line to the data.

4. Peng J, Yin Y, Liang H, Lu Y, Zheng H, Wu G, Rao S, Chen J, Yan F, Hu J. Tumor microenvironment responsive pepper mild mottle virus-based nanotubes for targeted delivery and controlled release of paclitaxel. *Front Bioeng Biotechnol.* 2021;9: 763661. <https://doi.org/10.3389/fbioe.2021.763661>.

Publisher's Note

Springer Nature remains neutral with regard to jurisdictional claims in published maps and institutional affiliations.

Ready to submit your research? Choose BMC and benefit from:

- fast, convenient online submission
- thorough peer review by experienced researchers in your field
- rapid publication on acceptance
- support for research data, including large and complex data types
- gold Open Access which fosters wider collaboration and increased citations
- maximum visibility for your research: over 100M website views per year

At BMC, research is always in progress.

Learn more biomedcentral.com/submissions

