

Retraction

RETRACTED: You *et al.* Berberine enhances the radiosensitivity of hepatoma cells by Nrf2 pathway. Front. Biosci. (Landmark Ed) 2019, 24(7), 1190–1202

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The Editor-in-Chief has retracted the article entitled “[Berberine enhances the radiosensitivity of hepatoma cells by Nrf2 pathway]” ([1]) due to significant concerns regarding the reliability and integrity of the data presented.

Recently, several issues were brought to the attention of the Publisher and Editor-in-Chief regarding the originality and authenticity of the images in this paper published in 2019 prior to the present publisher and EiC taking over the management of the journal. The content of repeated figures includes but is not limited to:

- (1) Fig. 3A contains images that are identical to those in Fig. 4C of a previously published paper [2].
- (2) Fig. 5A contains images that are identical to those in Fig. 4B of a previously published paper [3].
- (3) Fig. 7B contains images that are identical to those in Fig. 7F of a previously published paper [4].

These duplications of images raise serious questions about the validity of the results and the adherence to ethical standards of research.

On being contacted, the authors conceded that there were errors in their article and requested that it be retracted. The Editor-in-Chief is unable to retrospectively determine how these errors arose, and therefore after careful consideration and in accordance with the publication’s ethical guidelines, has decided to agree to the authors’ request to retract the article. All authors agree to this retraction.

References

- [1] You X, Cao X, Lin Y. Berberine enhances the radiosensitivity of hepatoma cells by Nrf2 pathway. Frontiers in Bioscience (Landmark Edition). 2019; 24: 1190–1202. <https://doi.org/10.2741/4775>.
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- [3] Zhang L, Li H, Zang Y, Wang F. NLRP3 inflammasome inactivation driven by miR 223 3p reduces tumor growth and increases anticancer immunity in breast cancer. Molecular Medicine Reports. 2019; 19: 2180–2188. <https://doi.org/10.3892/mmr.2019.9889>.
- [4] Yang F, Wang T, Du P, Fan H, Dong X, Guo H. M2 bone marrow-derived macrophage-derived exosomes shuffle microRNA-21 to accelerate immune escape of glioma by modulating PEG3. Cancer Cell International. 2020; 20: 93. <https://doi.org/10.1186/s12935-020-1163-9>.

