

## CORRECTION

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## Correction: Dual-functional guanosine-based hydrogel: high-efficiency protection in radiation-induced oral mucositis

Zihan Ding,<sup>†</sup> Xiaopei Hu,<sup>†</sup> Wenhui Liang, Shuhao Zheng, Xiaobo Luo and Hang Zhao\*

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Correction for 'Dual-functional guanosine-based hydrogel: high-efficiency protection in radiation-induced oral mucositis' by Zihan Ding *et al.*, *J. Mater. Chem. B*, 2025, **13**, 3039–3048, <https://doi.org/10.1039/D4TB02380C>.

The authors regret that in the original article, an incorrect merged image was used for the control group (Group 1) in Fig. 5(c). The corrected Fig. 5(c) is as displayed herein – the authors confirm that this error does not affect the results and conclusions of the original article. The supplementary information accompanying the original article has also been updated to include the uncropped Western blot data for the study.

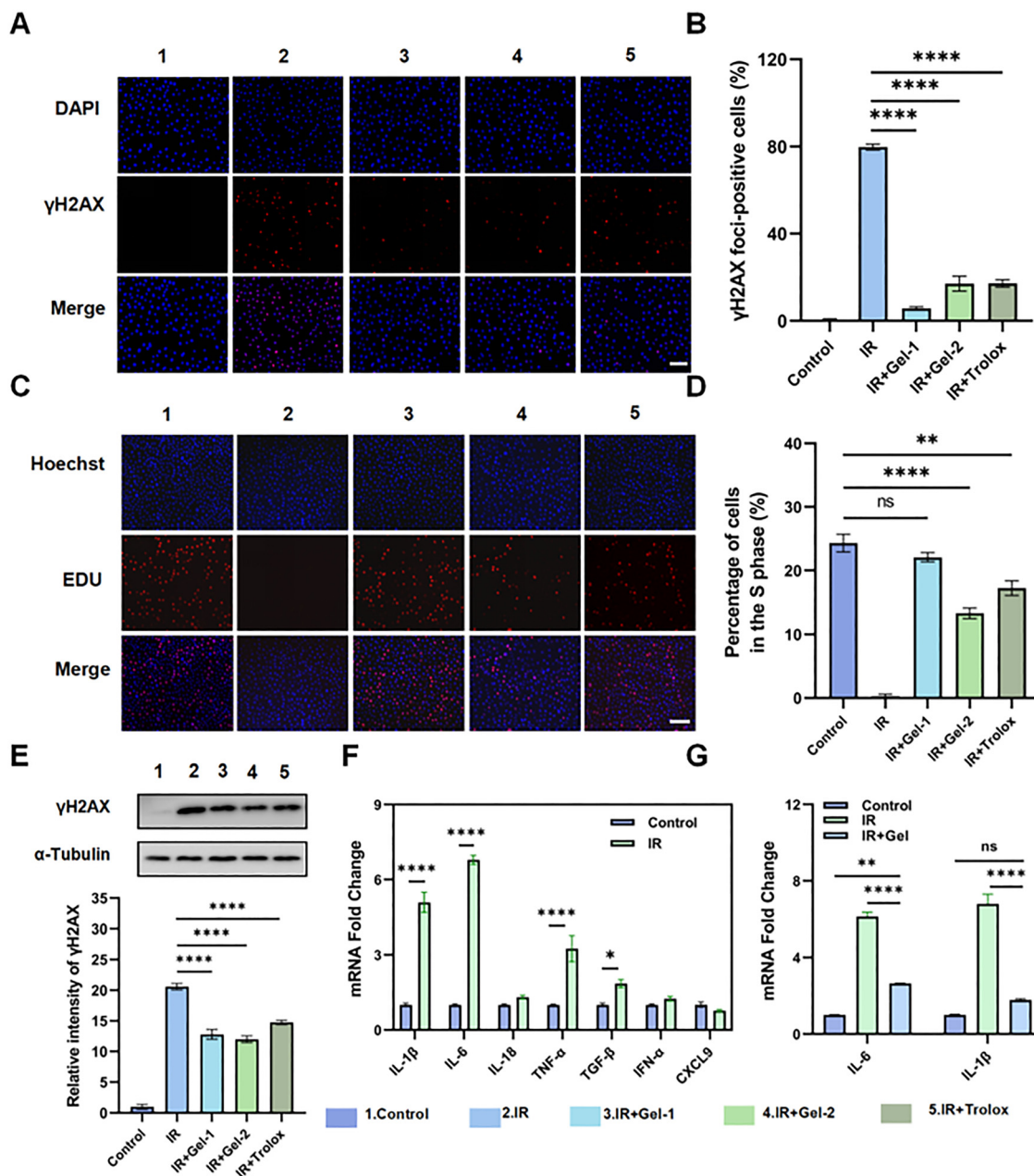
The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

State Key Laboratory of Oral Diseases & National Center for Stomatology & National Clinical Research Center for Oral Diseases & Research Unit of Oral Carcinogenesis and Management & Chinese Academy of Medical Sciences, West China Hospital of Stomatology, Sichuan University, Chengdu, Sichuan, China.

E-mail: zhaohangahy@scu.edu.cn

<sup>†</sup> These authors contribute equally to this work.





**Fig. 5** Mitigation of direct and indirect DNA damage and inflammatory responses *via* G-PVA hydrogel post-X-ray irradiation. (A) and (B) Nuclear  $\gamma$ -H2AX foci was detected in X-ray irradiated HOK cells by immunofluorescence staining. Scale bar: 80  $\mu$ m. (C) and (D) EdU staining of differently pretreated HOK cells after X-ray irradiation. Scale bar: 40  $\mu$ m. (E) Western blot analysis quantitatively assessed the expression levels of  $\gamma$ -H2AX. (F) Relative mRNA expression levels of inflammatory cytokines in X-ray irradiated HOK cells compared to non-irradiated cells. (G) Relative mRNA expression levels of IL-6 and IL-1 $\beta$  in differently pretreated HOK cells post-X-ray irradiation. \* $P$  < 0.05, \*\* $P$  < 0.01, \*\*\*\* $P$  < 0.0001. ns, no statistical significance.

