

Author Correction: Synergistic checkpoint-blockade and radiotherapy–radiodynamic therapy via an immunomodulatory nanoscale metal–organic framework

Correction to: *Nature Biomedical Engineering* <https://doi.org/10.1038/s41551-022-00846-w>, published online 21 February 2022.

<https://doi.org/10.1038/s41551-022-00966-3>

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In the version of this article originally published, duplicated images in some of the figures were inadvertently used. In Fig. 5g, the immunofluorescence image for the α PD-L1(+) group was incorrectly generated from the image in the Bi-DBP(-) + α PD-L1 group. The original and corrected figures are reproduced below (Figs. 1 and 2).

We were also informed of duplications in figures in the Supplementary Information and, on thorough inspection, found additional errors. The original and corrected versions of these supplementary figures are reproduced as Supplementary Information in the online version of this amendment. Specifically, Supplementary Figs. 9a, 10b, 11b, 12b, 17, 19, 20, 22c, 43 and 46–48 contained duplicated images, and two images in Supplementary Fig. 14 (for the Bi-DBP group) had mistakenly been swapped.

In addition, for the flow-cytometry plots of Supplementary Fig. 19 the representative dot plot for the Bi-DBP(-) group was mistakenly used for that of the PBS(+) group (also, in the raw data, the phagocytosis by macrophages was gated on PerCPCy5.5-F4/80 but the files were incorrectly labelled for dendritic cells). Also, for Supplementary Fig. 20, the corresponding raw-data file names were mislabelled owing to a misalignment of sample positions and raw-data labels (and, in the raw data, the phagocytosis by dendritic cells was gated on PECy5.5 but the files were incorrectly labelled for macrophages); for these two figures, we reprocessed the raw data with new gating, which also affects the flow-cytometry plots in Fig. 2k (see Fig. 1 below).

All these errors occurred when selecting representative images or data from the large datasets acquired, processed and stored. We have retrieved the original raw data and corrected all the errors. However, for the data in Supplementary Fig. 12b (duplicated image portions between the H₂DBP(-) and Hf-DBP groups), Supplementary Fig. 17 (duplicated image portions between the PBS(-) and H₂DBP(+) groups and between the PBS(-) and Bi-DBP(-) groups) and Supplementary Fig. 22c (duplicated image portions between the PBS(-) and H₂DBP(+) groups and between the H₂DBP(+) and Bi-DBP(+) groups, for liver tissue), we were unable to find

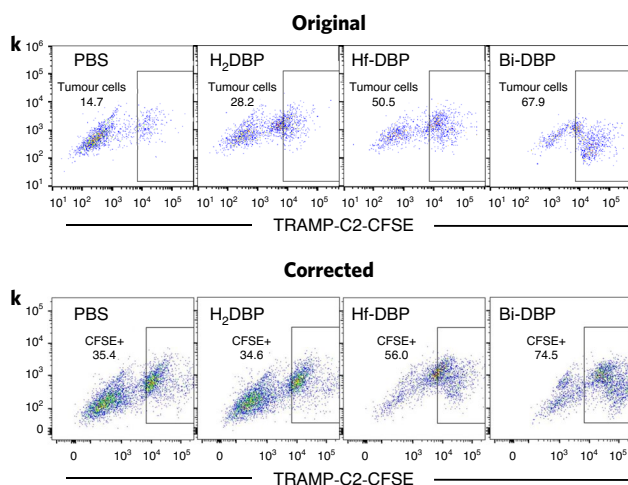


Fig. 1 | Original and corrected Fig. 2k.

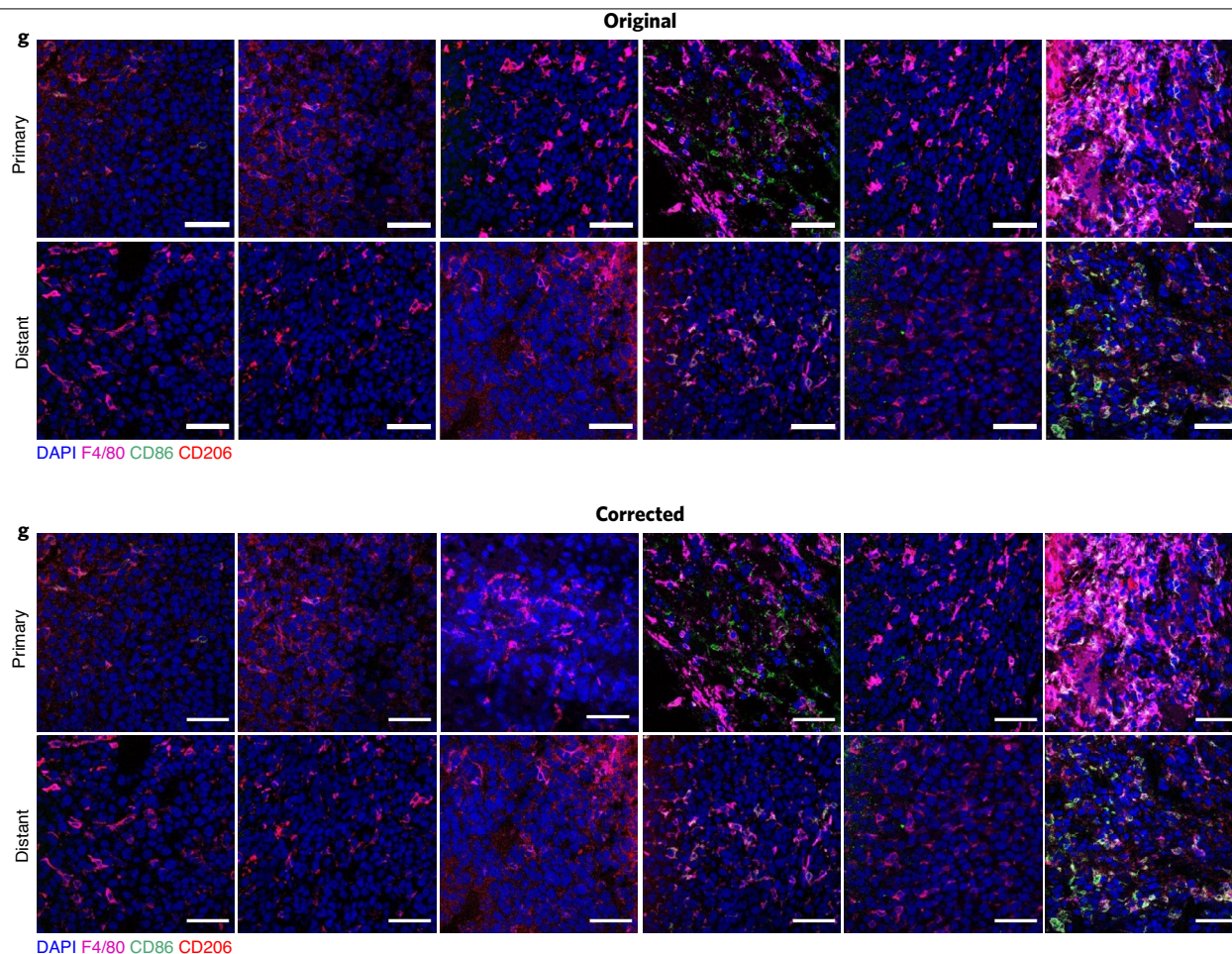


Fig. 2 | Original and corrected Fig. 5g.

the corresponding original files; hence, we repeated the associated experiments and provide the new data. Corrected Supplementary Information is now available in the online version of the original article.

We also corrected a few errors in the text: in the first paragraph of the subsection ‘Enhanced RT–RDT induces robust immunogenic cell death’, we incorrectly cited the panels for Fig. 2 (panels a, b, c and d should have been, respectively, c, d, a and b); in the last paragraph of the same subsection, owing to the correction of the flow-cytometry data in Supplementary Figs. 19 and 20, the quantities 67.9%, 35.3%, 50.5% and 33.4% have been corrected to, respectively, 74.5%, 22.9%, 56.0% and 17.4%; and, in Methods, subsection “Synthesis and characterizations of Bi-DBP,” the volumes of the Bi(NO₃)₃ solution (700 μL, rather than 300 μL) and of the H₂DBP solution (300 μL, rather than 700 μL) had been interchanged.

None of these corrections affect the results and conclusions reported in the paper. All the raw-data files associated with this Author Correction, as well as scans of lab-notebook pages, are available on figshare at <https://doi.org/10.6084/m9.figshare.21291177>.

The changes have been made to the HTML and PDF versions of the article.

Additional information

Supplementary information The online version contains supplementary material available at <https://doi.org/10.1038/s41551-022-00966-3>.

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