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Correction: pH-Responsive fluorescent graphene quantum dots for fluorescence-guided cancer surgery and diagnosis

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Correction for 'pH-Responsive fluorescent graphene quantum dots for fluorescence-guided cancer surgery and diagnosis' by Zetan Fan *et al.*, *Nanoscale*, 2017, **9**, 4928–4933, <https://doi.org/10.1039/C7NR00888K>.

In the version of Fig. 5 originally published, images for a mouse imaged at the 12 hour-time point on day 14 were included in both a and d, the average intensities of the fluorescence were presented without standard deviations, and the concentration of pRF-GQDs was described as “10 mg kg^{−1}”, which should be “5 mg kg^{−1}”. The authors apologize for the mistakes and have corrected the figure to remove the day 14 image and updated the figure caption as shown below. This correction does not affect the results and conclusions of this article.

The authors have repeated the day 18 experiment and updated the standard deviations. An independent expert has viewed the corrected image and figure caption and has concluded that they are consistent with the discussions and conclusions presented.

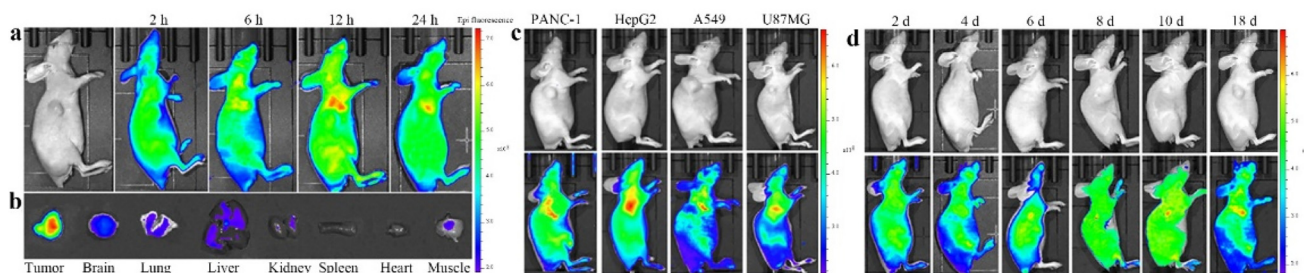


Fig. 5 pRF-GQDs for non-invasive detection of tumors in live animals. (a) Representative images of a HeLa tumor-bearing mouse at the indicated time points after intravenous injection of pRF-GQDs (5 mg kg^{−1}). (b) *Ex vivo* imaging of major organs from a mouse treated with pRF-GQDs. The mouse was sacrificed 24 hours after injection. (c) Representative images of mice bearing the indicated tumors at 12 hours after intravenous injection of pRF-GQDs (5 mg kg^{−1}). (d) Representative images of a HeLa tumor-bearing mouse at the indicated time points after tumor inoculation. The average intensities of fluorescence at the tumor sites were 2.8 ± 1.0 , 3.2 ± 1.2 , 6.8 ± 1.1 , 7.3 ± 1.5 , 7.9 ± 1.1 , and 8.5 ± 1.7 ($\times 10^8$ a.u.) on day 2, 4, 6, 8, 10 and 18 post-inoculation ($n = 3$). Mice were intravenously administered pRF-GQD solution at a dose of 5 mg kg^{−1} every two days. Twelve hours after each injection, mice were imaged.

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

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