

CORRECTION

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rsc.li/chemical-scienceCorrection for 'An oxygen self-sufficient NIR-responsive nanosystem for enhanced PDT and chemotherapy against hypoxic tumors' by Guoliang Yang *et al.*, *Chem. Sci.*, 2019, 10, 5766–5772, DOI: 10.1039/C9SC00985J.

In the original article, Fig. 1d (the TEM image of F micelles) and Fig. 3a (MCF-7 cell uptake of F/DOX nanoparticles at 4 h) were displayed incorrectly. Corrected versions of Fig. 1 and 3 are presented below.

The results and conclusions of the original article are not affected by the presented corrections.

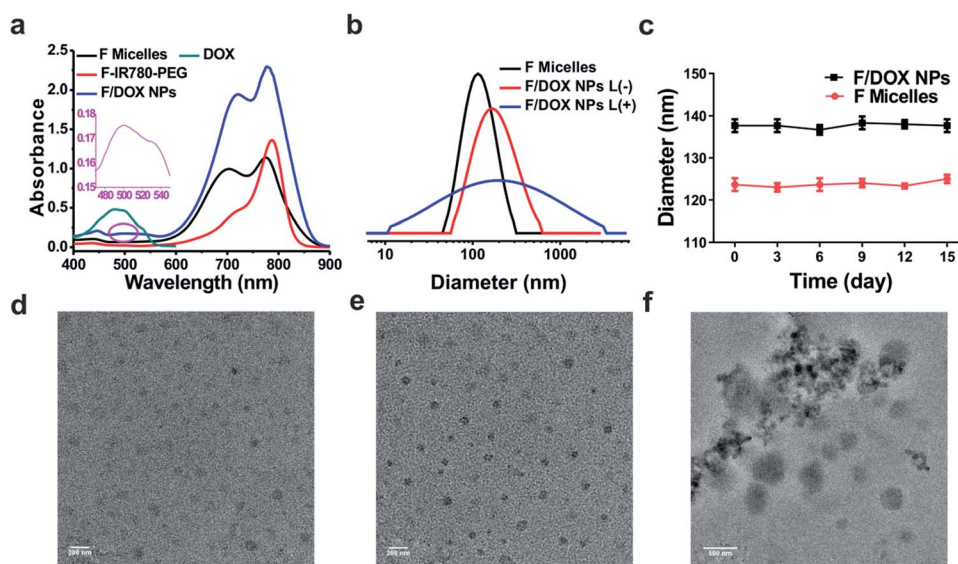


Fig. 1 Characterization of micelles. (a) UV-Vis absorption spectra of F/DOX nanoparticles, F micelles, DOX in PBS (pH = 7.4), and F-IR780-PEG in DMF. (b) Size distributions of F/DOX nanoparticles before or after laser irradiation and F micelles in PBS (pH = 7.4). (c) The physical stability of F micelles and F/DOX nanoparticles in PBS (pH = 7.4). Each data point was expressed as mean \pm standard deviation ($n = 3$). TEM images of (d) F micelles, (e) F/DOX nanoparticles before laser irradiation, and (f) F/DOX nanoparticles after laser irradiation.

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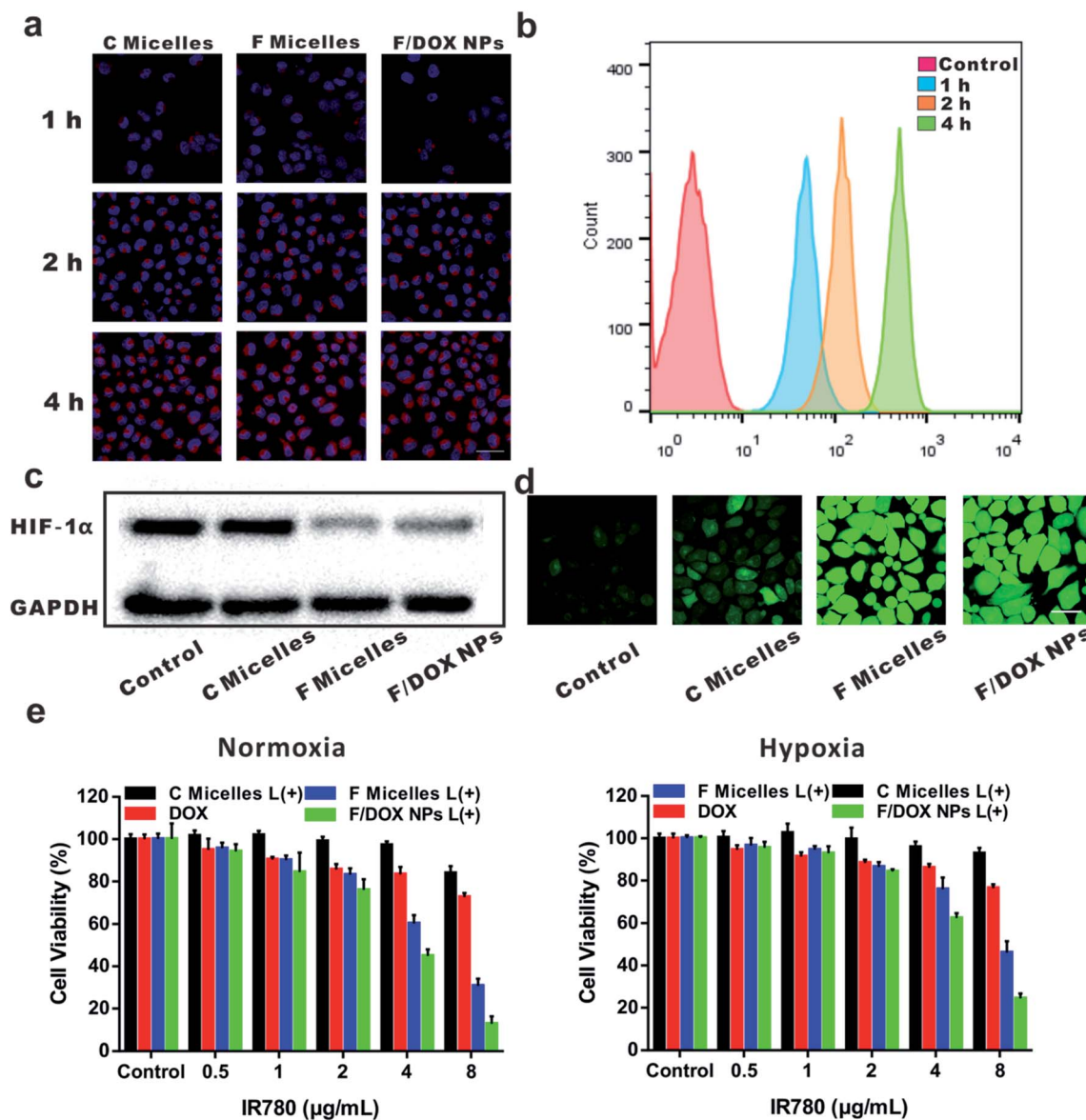


Fig. 3 (a) MCF-7 cell uptake of C micelles, F micelles and F/DOX nanoparticles at different times (1, 2, and 4 h). The scale bar represents 50 μm . (b) Flow cytometry analysis of DOX fluorescence in MCF-7 cells incubated with F/DOX nanoparticles for 1, 2 and 4 h. (c) HIF-1 α expressions of MCF-7 cells treated with C micelles, F micelles and F/DOX nanoparticles under hypoxia conditions. (d) CLSM images of intracellular ROS generation with laser irradiation in MCF-7 cells. The scale bar represents 50 μm . (e) Cell viability of MCF-7 cells treated with free DOX, C micelles, F micelles or F/DOX nanoparticles with 808 nm laser irradiation under normoxic and hypoxic conditions. Data are given as the mean \pm SD ($n = 5$).

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

