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CORRECTION

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Correction: Delivering siRNA to control osteogenic differentiation and real-time detection of cell differentiation in human mesenchymal stem cells using multifunctional gold nanoparticles

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Correction for 'Delivering siRNA to control osteogenic differentiation and real-time detection of cell differentiation in human mesenchymal stem cells using multifunctional gold nanoparticles' by Qian Wu *et al.*, *J. Mater. Chem. B*, 2020, **8**, 3016–3027, DOI: 10.1039/c9tb02899d.

The authors regret that the incorrect images were used in Fig. 8 (CLSM images of osteogenic differentiated hMSCs used for the real-time detection of cell differentiation by AuNP-PEI-peptide-FITC). The corrected Fig. 8 is shown here. The caption remains the same. The results and conclusions in this article are not affected.

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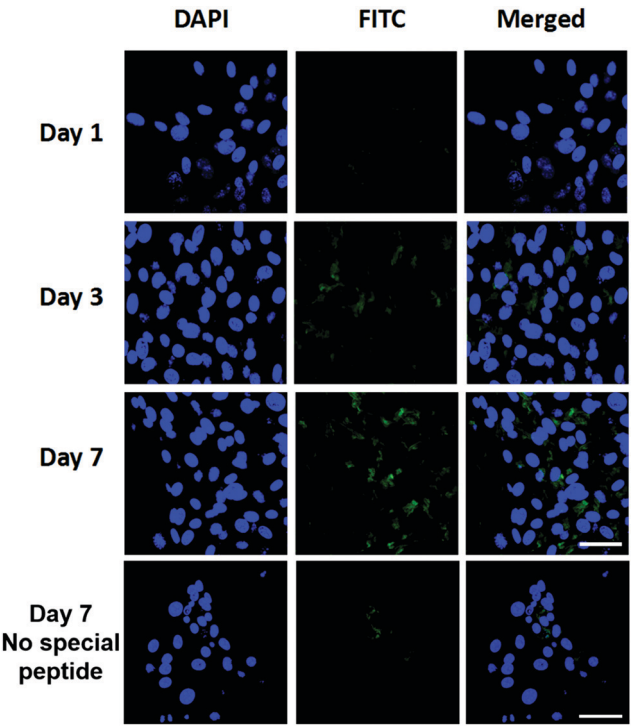

Fig. 8 CLSM images of osteogenic differentiated hMSCs used for the real-time detection of cell differentiation by AuNP-PEI-peptide-FITC. After controlling the osteogenic differentiation by the AuNP-PEI-peptide-FITC/siRNA nanocomplexes, the AuNP-PEI-peptide-FITC became the nanoprobe to detect the activity of the MMP13 enzyme that was produced during osteogenic differentiation. Enzyme digestion is correlated with FITC fluorescence recovery, allowing for the real-time tracking of hMSC differentiation. The CLSM images show that green fluorescence from FITC gradually increased as differentiation proceeded from day one to day seven, indicating the increase in the production of the MMP13 enzyme and osteogenic differentiation of hMSCs. AuNP-PEI-peptide-FITC/siRNA: 10 : 1, AuNP-PEI-peptide-FITC and the not special peptide AuNPs: 200 nM, siRNA: 20 nM. DAPI: Ex 405 nm, Em 435–455 nm; and FITC: Ex 488 nm, Em 515–535 nm. Scale bar: 20 mm.

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