

CORRECTION

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Correction: Dopamine-melanin nanoparticles scavenge reactive oxygen and nitrogen species and activate autophagy for osteoarthritis therapy

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Correction for 'Dopamine-melanin nanoparticles scavenge reactive oxygen and nitrogen species and activate autophagy for osteoarthritis therapy' by Gang Zhong *et al.*, *Nanoscale*, 2019, **11**, 11605–11616.

The authors have noticed that there were a number of errors in Fig. 3c in the original article. These errors were associated with data normalization. A corrected version of Fig. 3 is provided below.

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

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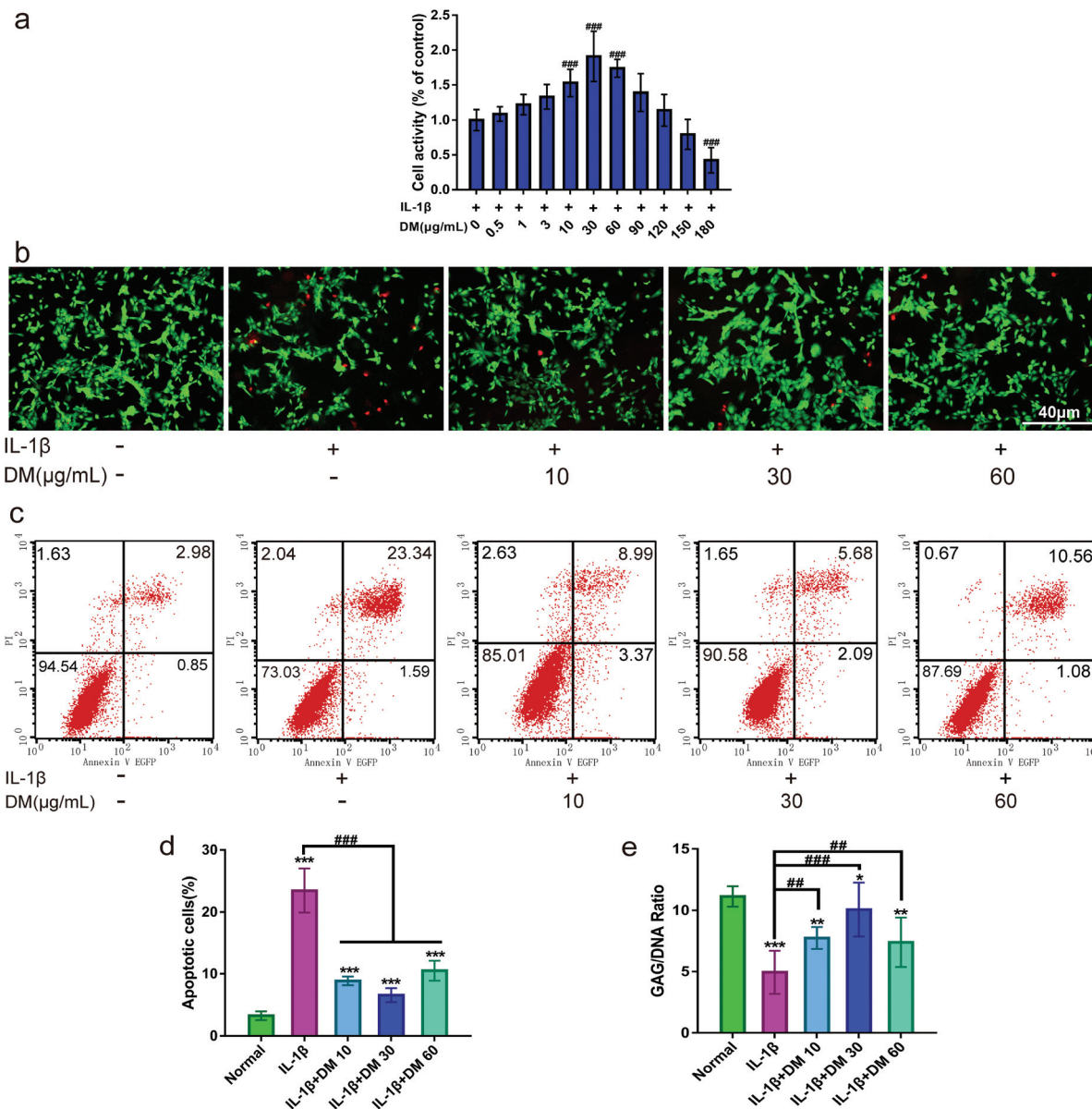


Fig. 3 Chondro-protective effects of DM nanoparticles on IL-1 β -induced chondrocytes. (a) MTT assay was to detect the cytotoxicity of DM nanoparticles (control: only with 10 ng mL⁻¹ IL-1 β). (b–e) Chondrocytes were treated with IL-1 β (10 ng mL⁻¹) and/or various concentrations of DM nanoparticles (10, 30, 60 μ g mL⁻¹) for 24 hours. (b) FDA/PI stained for cell viability. (c) Flow cytometry for cell apoptosis. (d) Quantitative flow cytometry for apoptosis. (e) Quantification of matrix production of GAG ($n = 6$) for cell proliferation. Normal (without IL-1 β); IL-1 β (with 10 ng mL⁻¹ IL-1 β); IL-1 β + DM 10 (with 10 ng mL⁻¹ IL-1 β and 10 μ g mL⁻¹ DM nanoparticles); IL-1 β + DM 30 (with 10 ng mL⁻¹ IL-1 β and 30 μ g mL⁻¹ DM nanoparticles); IL-1 β + DM 60 (with 10 ng mL⁻¹ IL-1 β and 60 μ g mL⁻¹ DM nanoparticles). Values are presented as means \pm SD, $n = 6$. *, $P < 0.05$; **, $P < 0.01$; ***, $P < 0.001$, relative to the normal group; #, $P < 0.05$; ##, $P < 0.01$; ###, $P < 0.001$, relative to the IL-1 β group. Scale bar, 40 μ m.