

CORRECTION

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Correction: Transgenic PDGF-BB/sericin hydrogel supports for cell proliferation and osteogenic differentiation

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Correction for 'Transgenic PDGF-BB/sericin hydrogel supports for cell proliferation and osteogenic differentiation' by Feng Wang *et al.*, *Biomater. Sci.*, 2020, **8**, 657–672, DOI: 10.1039/C9BM01478K.

The authors regret that the live/dead staining of cells seeded on TCP in Fig. 5C of the published manuscript was incorrect. The correct version is shown below. The authors note that this correction has no effect on the results reported, nor does this change any of the contents and conclusions of the paper.

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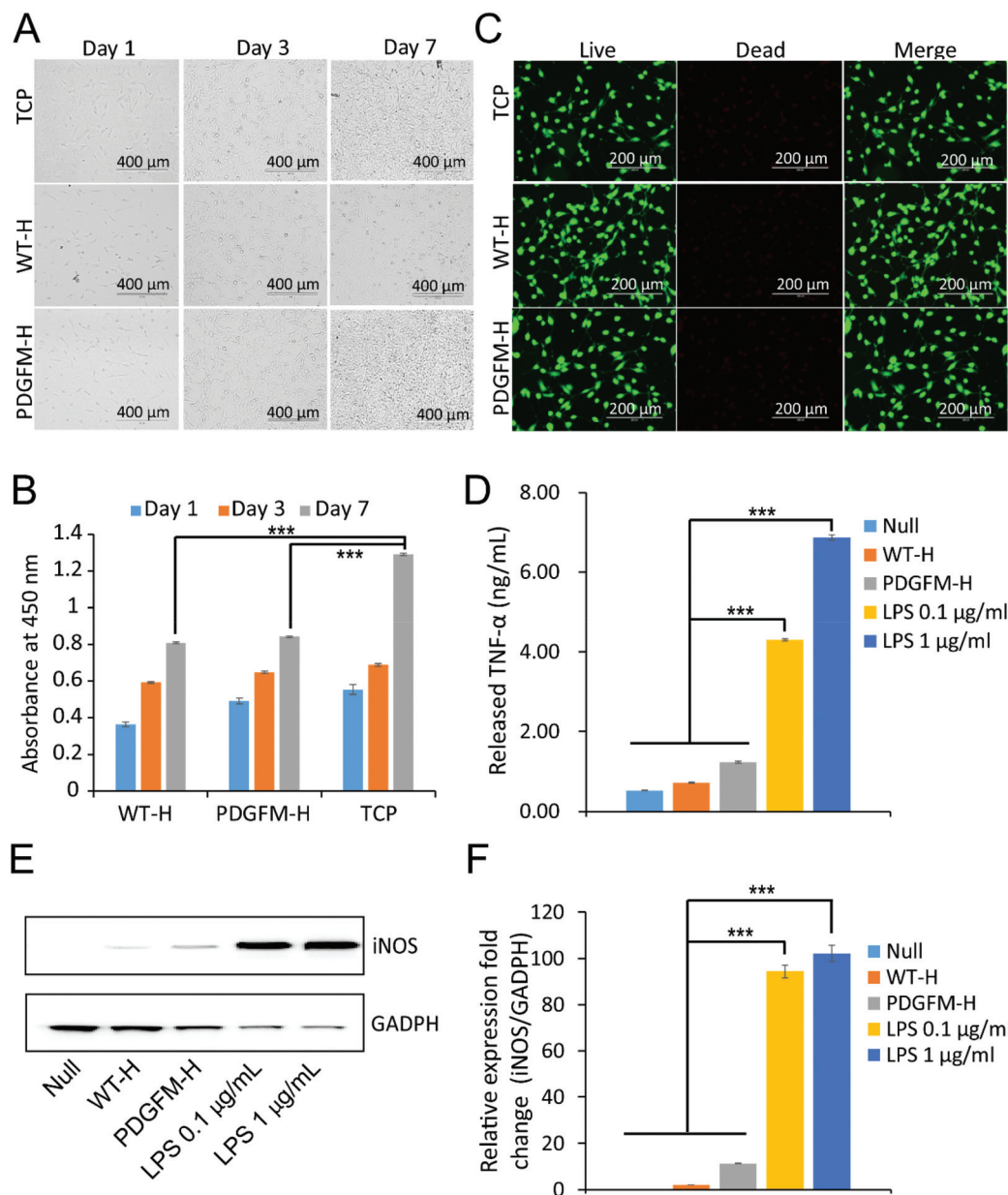


Fig. 5 Biocompatibility and cellular inflammatory response of the PDGF sericin hydrogels. (A and B) Optical microscopy and CCK-8 (cell counting kit-8) assay of growth of NIH/3T3 cells on TCP, WT and PDGF sericin hydrogels at days 1, 3 and 7 after seeding in complete DMEM medium containing 10% FBS. Scale bars are 400 μm . The absorbance was measured at 450 nm. Measurements in triplicate and repeated independently three times. $*P < 0.05$, $**P < 0.01$, $***P < 0.001$ compared to TCP group, student's *t*-test; (C) viability/cytotoxicity of NIH/3T3 cells seeded on the TCP, WT and PDGF sericin hydrogels in complete DMEM medium containing 10% FBS after cultivation for 2 days. Live cells stained by calcein-AM dye and produced intense uniform green fluorescence in live cells (ex/em $\sim 495\text{ nm}/\sim 515\text{ nm}$). Dead cells stained by EthD-1 dye and emitted bright red fluorescence (ex/em $\sim 495\text{ nm}/\sim 635\text{ nm}$). The scale bars are 200 μm . (D) Released inflammatory factor TNF- α from the RAW264.7 cells in media induced by WT and PDGF sericin hydrogels for 24 h; (E) expression analysis of iNOS in the RAW264.7 cells by western blot induced by WT and PDGF sericin hydrogels for 24 h. GADPH was the internal control; (F) the gray intensity comparison of iNOS and GADPH expression in the RAW264.7 cells induced by WT and PDGF sericin hydrogels for 24 h according to immunoblots. LPS induced inflammatory factors released with a dose effect (100 ng mL^{-1} and 1000 ng mL^{-1}) were set as positive control. The measurements were in triplicate and repeated independently three times. $*P < 0.05$, $**P < 0.01$, $***P < 0.001$ compared to the control group, student's *t*-test. WT-H and PDGF-H represent the WT sericin hydrogel and PDGF hydrogel, respectively.

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

