

CORRECTION

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

Feng Wang,^{a,b} Kai Hou,^a Wenjing Chen,^a Yuancheng Wang,^a Riyuan Wang,^a Chi Tian,^a Sheng Xu,^a Yanting Ji,^a Qianqian Yang,^a Ping Zhao,^a Ling Yu,^c Zhisong Lu,^c Huijie Zhang,^d Fushu Li,^e Han Wang,^e Baicheng He,^e David L. Kaplan^{*b} and Qingyou Xia^{*a}

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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.

^aBiological Science Research Center, Chongqing Key Laboratory of Sericultural Science, Chongqing Engineering and Technology Research Center for Novel Silk Materials, Southwest University, Chongqing, 400715, People's Republic of China. E-mail: Xiaqy@swu.edu.cn

^bDepartment of Biomedical Engineering, Tufts University, Medford, MA, 02155, USA. E-mail: David.kaplan@tufts.edu

^cInstitute for Clean Energy & Advanced Materials, Faculty of Materials & Energy, Southwest University, Chongqing, 400715, People's Republic of China

^dKey Laboratory of Biochemistry and Molecular Pharmacology of Chongqing, Chongqing Medical University, Chongqing, 400016, People's Republic of China

^eDepartment of Pharmacology, School of Pharmacy, Chongqing Medical University, Chongqing, 400016, People's Republic of China



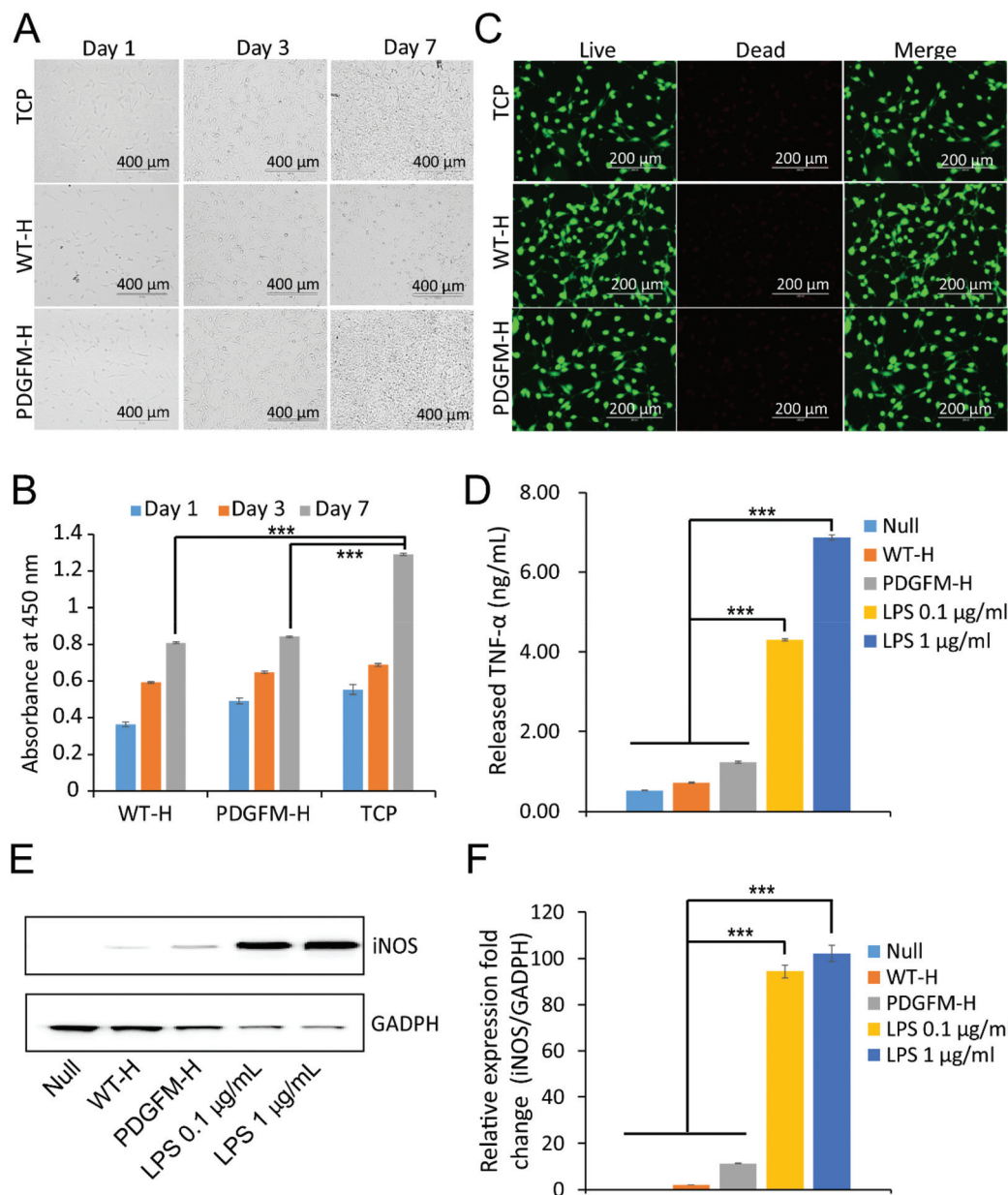


Fig. 5 Biocompatibility and cellular inflammatory response of the PDGFM sericin hydrogels. (A and B) Optical microscopy and CCK-8 (cell counting kit-8) assay of growth of NIH/3T3 cells on TCP, WT and PDGFM sericin hydrogels at days 1, 3 and 7 after seeding in complete DMEM medium containing 10% FBS. 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 PDGFM 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 ~495 nm/~515 nm). Dead cells stained by EthD-1 dye and emitted bright red fluorescence (ex/em ~495 nm/~635 nm). The scale bars are 200 μm. (D) Released inflammatory factor TNF-α from the RAW264.7 cells in media induced by WT and PDGFM sericin hydrogels for 24 h; (E) expression analysis of iNOS in the RAW264.7 cells by western blot induced by WT and PDGFM 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 PDGFM 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 PDGFM-H represent the WT sericin hydrogel and PDGFM hydrogel, respectively.

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

