

Tannic Acid/Mg²⁺ Based Versatile Coating to Manipulate

Osteoimmunomodulation of Implants

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Table S1. RNA Primers applied in this study

GENE	Forward primer (5'-3')	Reverse primer (5'-3')
GAPDH	TGACCACAGTCCATGCCATC	GACGGACACATTGGGGGTAG
IL-1β	TGGAGAGTGTGGATCCCAAG	GGTGCTGATGTACCAGTTGG
IL-6	ATAGTCCTTCTACCCCAATTTC C	GATGAATTGGATGGTCTTGGTCC
IL-10	GAGAAGCATGGCCCAGAAATC	GAGAAATCGATGACAGCGCC
TNF-α	CTGAACTTCGGGGTGATCGG	GGCTTGTCACCTCGAATTTTGAGA
INOS	CACCAAGCTGAACTTGAGCG	CGTGGCTTTGGGCTCCTC
CD206	AGACGAAATCCCTGCTACTG	CACCCATTCTGAAGGCATTC
CD163	CGTGTGCAGTGTCCAAAAGG	CACAAACCAAGAGTGCCGTG
CD86	CTGCTCATCATTGTATGTCAC	ACTGCCTTCACTCTGCATTTG
BMP2	GCTCCACAAACGAGAAAAGC	AGCAAGGGGAAAAGGACACT
TGF-β1	CAGTACAGCAAGGTCCTTGC	ACGTAGTAGACGATGGGCAG
VEGF	GTCCCATGAAGTGATCAAGTTC	TCTGCATGGTGATGTTGCTCTCT G
ALP	AGGGTGGGTAGTCATTTGCATA G	GAGGCATACGCCATCACATG
OCN	CCGGGAGCAGTGTGAGCTTA	AGGCGGTCTTCAAGCCATACT
OST	CCCTTCTCAAGCACCAATGG	AGGGTGGGTAGTCATTTGCATAG
COL-1	CTCCGGCTCCTGCTCCTCTTA	ACCAGGAAGTCCAGGCTGTC

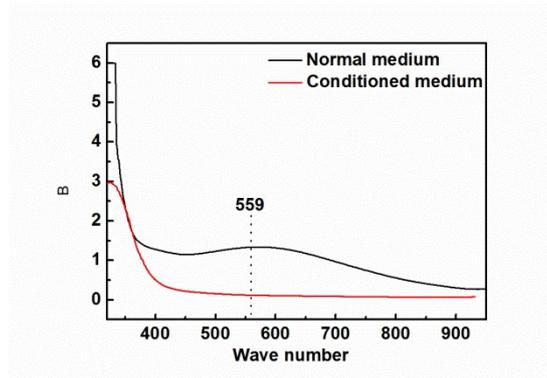


Fig. S1. The UV-vis absorption spectra of the normal cell culture medium and conditioned medium with Fe^{3+} .

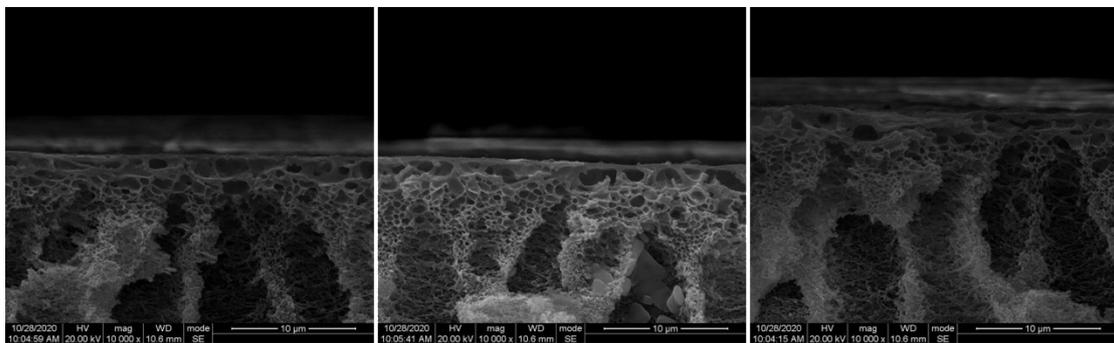


Fig. S2. The cross-section SEM images of the TA/ Mg^{2+} coating on PES membrane surface.