



Supporting Information

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Valence State Manipulation of Cerium Oxide Nanoparticles on a Titanium Surface for Modulating Cell Fate and Bone Formation

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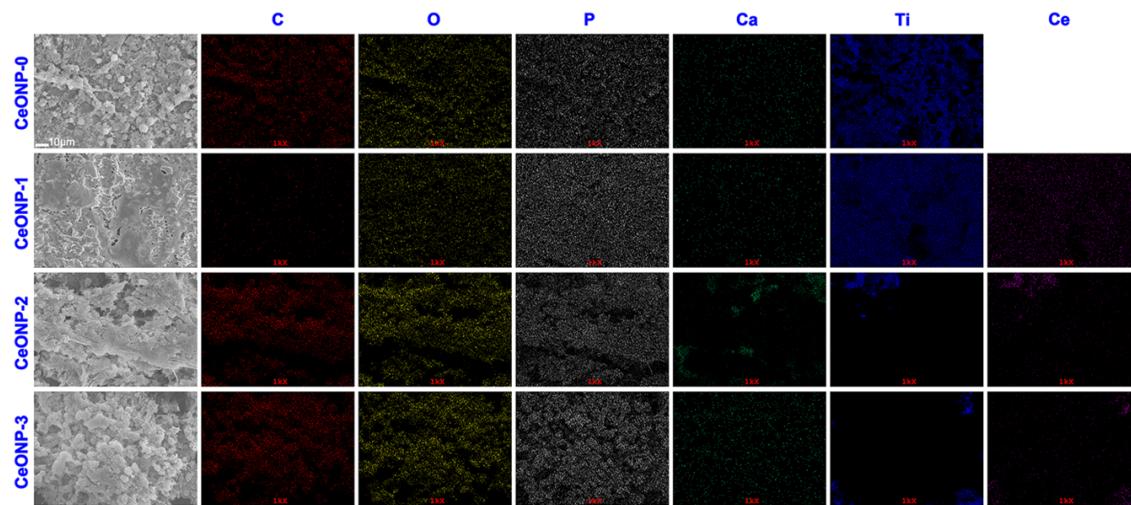


Figure S1: Surface morphologies of the implants of various samples, accompanied by the corresponding EDS elemental mapping and distribution of C, O, P, Ca, Ti and Ce.

Table S1. Primers for real-time polymerase chain reaction (PCR).

Gene	Prime sequence (F, forward; R, reverse)	Product size (bp)	Accession number
GAPDH	F: GGCAAGTTCAACGGCACAGT R: GCCAGTAGACTCCACGACAT	76	NM_017008.3
Runx-2	F: CCGAGACCAACCGAGTCATT R: CACTGCACTGAAGAGGCTGT	114	NM_001278483.1
OCN	F: CAGTAAGGTGGTGAATAGACTCCG R: GGTGCCATAGATGCGCTTG	172	NM_013414.1
OPN	F: CCAAGCGTGGAAACACACAGCC R: GGCTTGGAACTCGCCTGACTG	165	NM_012881.2
ALP	F: GTCCCACAAGAGGCCACAAT R: CAACGGCAGAGCCAGGAAT	172	NM_013059.1
Col-I	F: CTGCCAGAAGAATATGTATCACC R: GAAGCAAAGTTCTCCAAGACC	198	XM_213440