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Supplementary Information

Three-Dimensional Modeling with Osteoblast-Like Cells under External Magnetic Field Conditions Using Magnetic Nano-Ferrite Particles for the Development of Cell-Derived Artificial Bone

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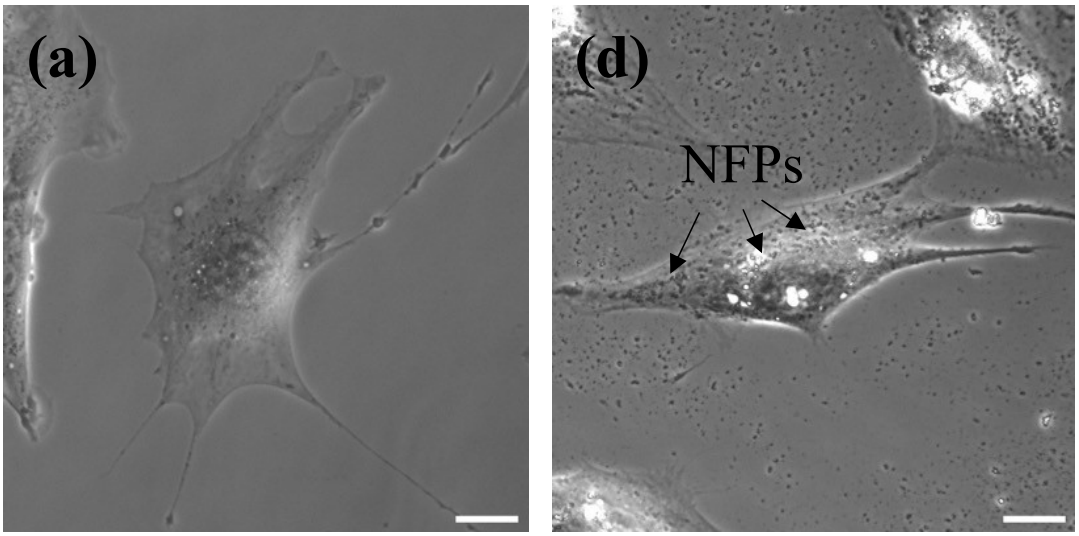


Figure S1. Phase contrast illumination image of MC3T3-E1 cells. **(a)** MC3T3-E1 cells control group culture without NFPs. **(b)** MC3T3-E1 cells exposed to 0.14 mg/mL NFPs for 72 h. Arrows indicate NFPs. Scale bar: 5 μm.

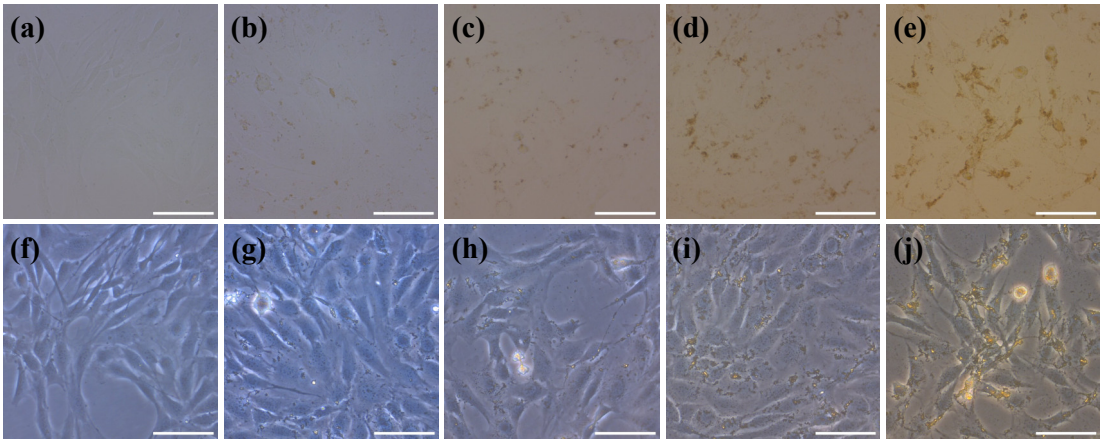


Figure S2. Cellular uptake of NFPs in MC3T3-E1 cells. **(a)** Bright-field image of MC3T3-E1 cells control group without NFPs. **(b–e)** Bright-field image of MC3T3-E1 cells culture exposed to 0.07 to 0.57 mg/mL NFPs for 72 h. **(f)** Phase contrast illumination image of MC3T3-E1 cells control group without NFPs. **(g–j)** Phase contrast illumination image of MC3T3-E1 cells culture exposed to 0.07 to 0.57 mg/mL NFPs for 72 h. Scale bar: 50 μm.