

Electronic Supporting Information

Electrostatic Template-Assisted Deposition of Microparticles on Electrospun Nanofibers: Towards Microstructured Functional Biochips for Screening Applications

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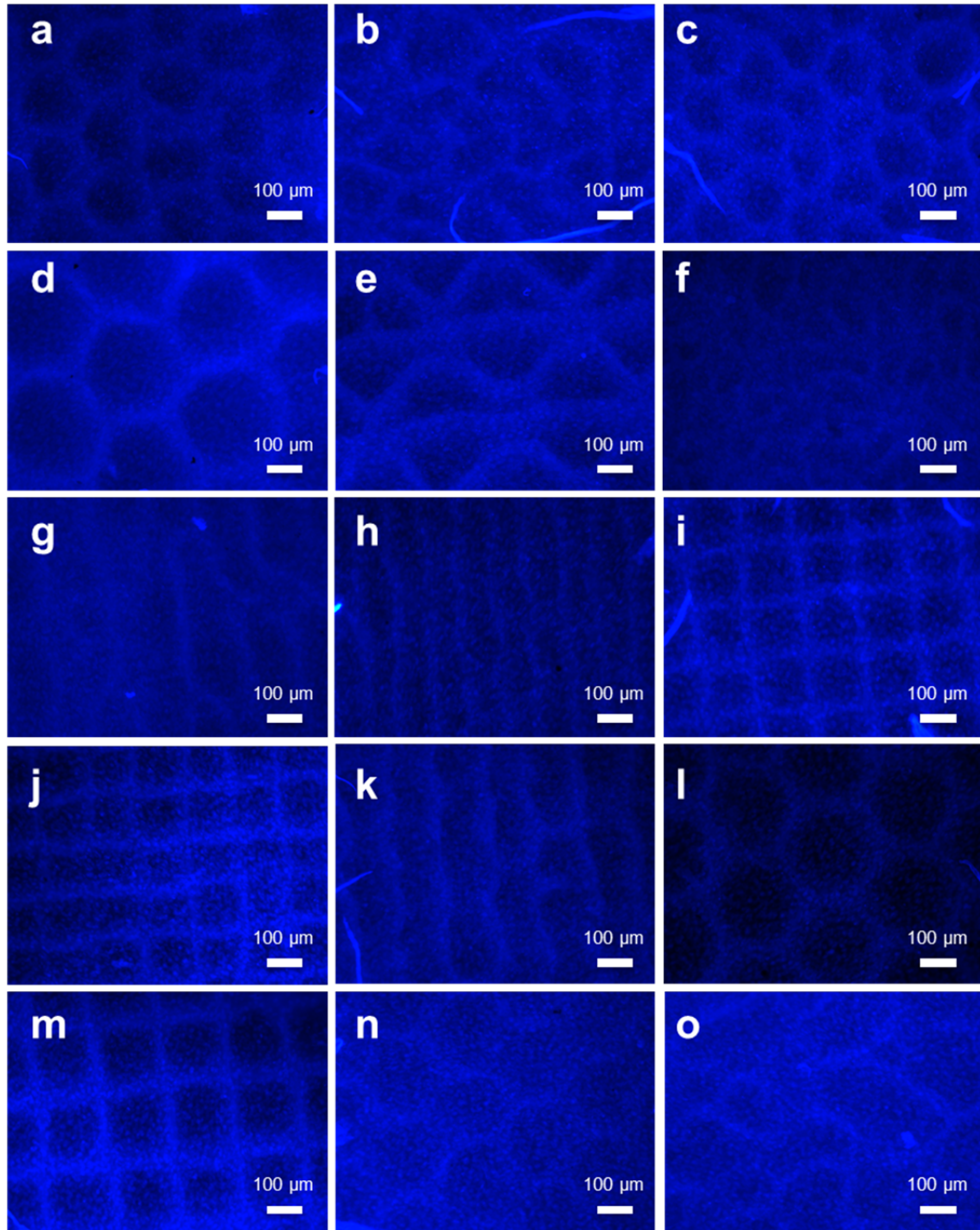


Figure S1: Observation of MG-63 osteoblasts cell nuclei (stained in blue with DAPI) after 21 days of culture: a) Hex_{100,120}; b) Hex_{60,120}; c) Hex_{20,60}; d) Hex_{100,240}; e) Maze_{20,80}; f) Random; g) Bar_{20,60}; h) Bar_{20,80}; i) Block_{120,40}; j) Block_{60,80}; k) Bar_{80,80}; l) Hex_{60,240}; m) Block_{120,80}; n) Hex_{20,240}; o) Hex_{20,120}

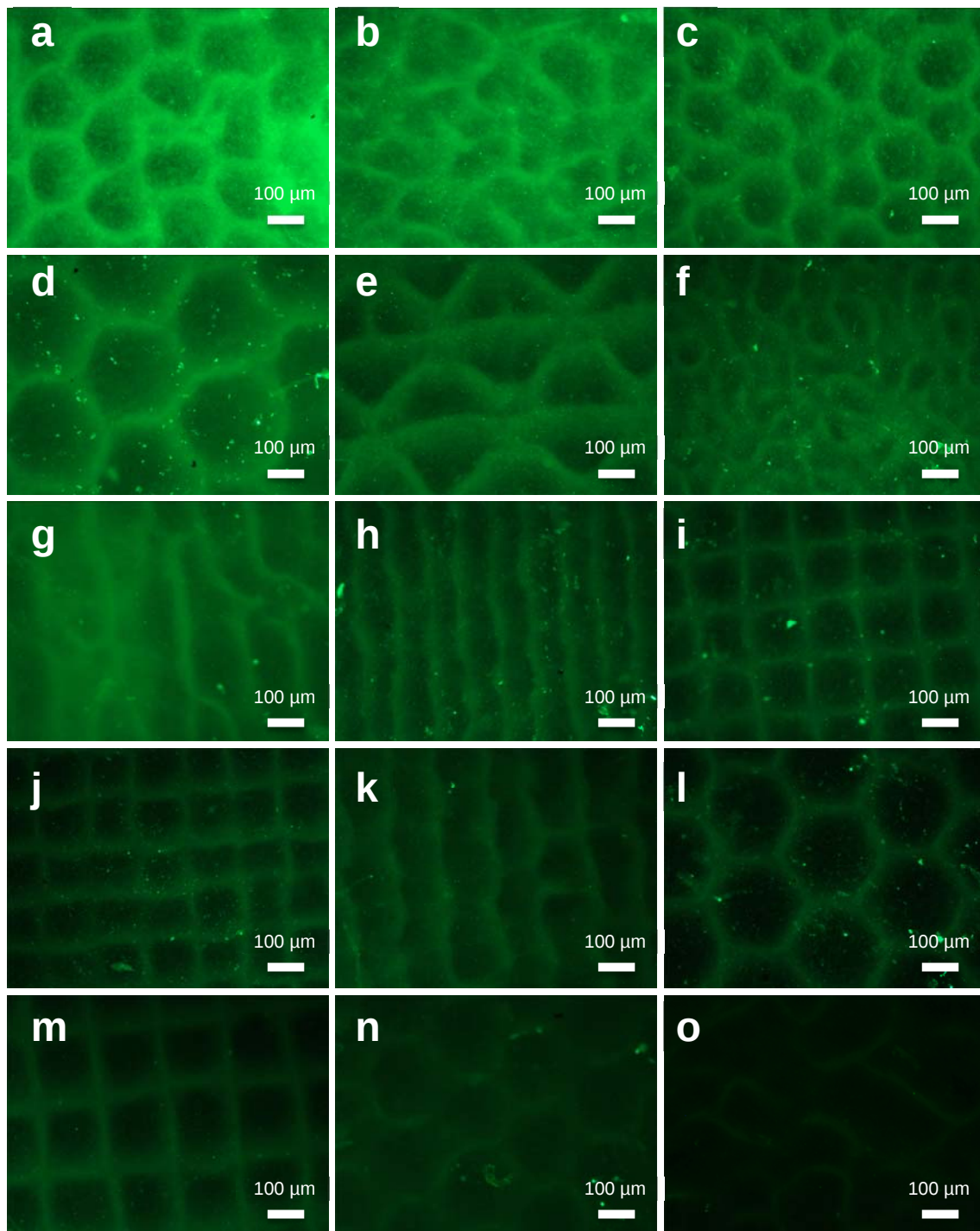


Figure S2: Observation of osteocalcin (OCN in green) expression of MG-63 osteoblasts after 21 days of culture : a) Hex_{100,120}; b) Hex_{60,120}; c) Hex_{20,60}; d) Hex_{100,240}; e) Maze_{20,80}; f) Random; g) Bar_{20,60}; h) Bar_{20,80}; i) Block_{120,40}; j) Block_{60,80}; k) Bar_{80,80}; l) Hex_{60,240}; m) Block_{120,80}; n) Hex_{20,240}; o) Hex_{20,120}

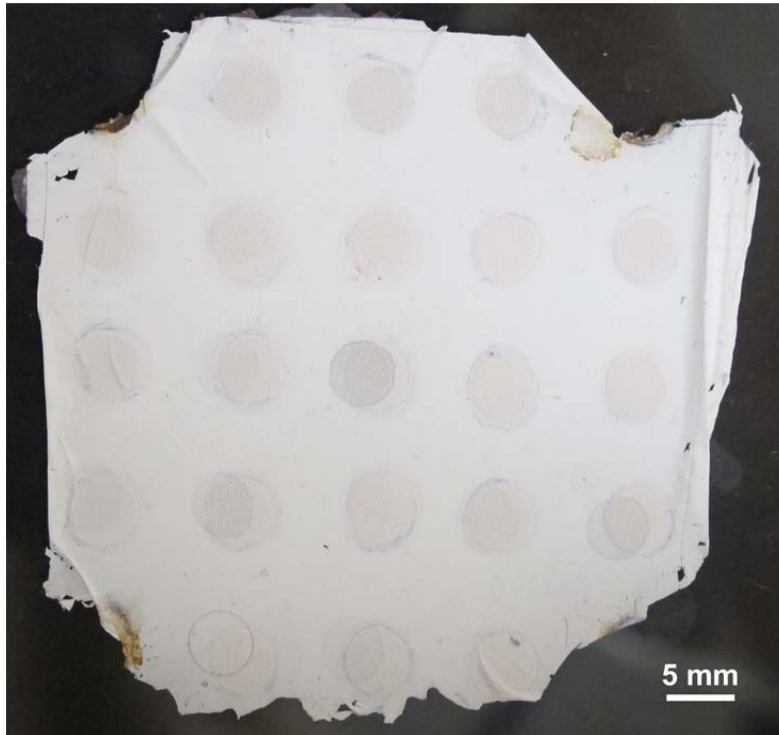


Figure S3: Observation of a PCL/HA scaffold, that did not undergo cell culture after treatment with alizarin red

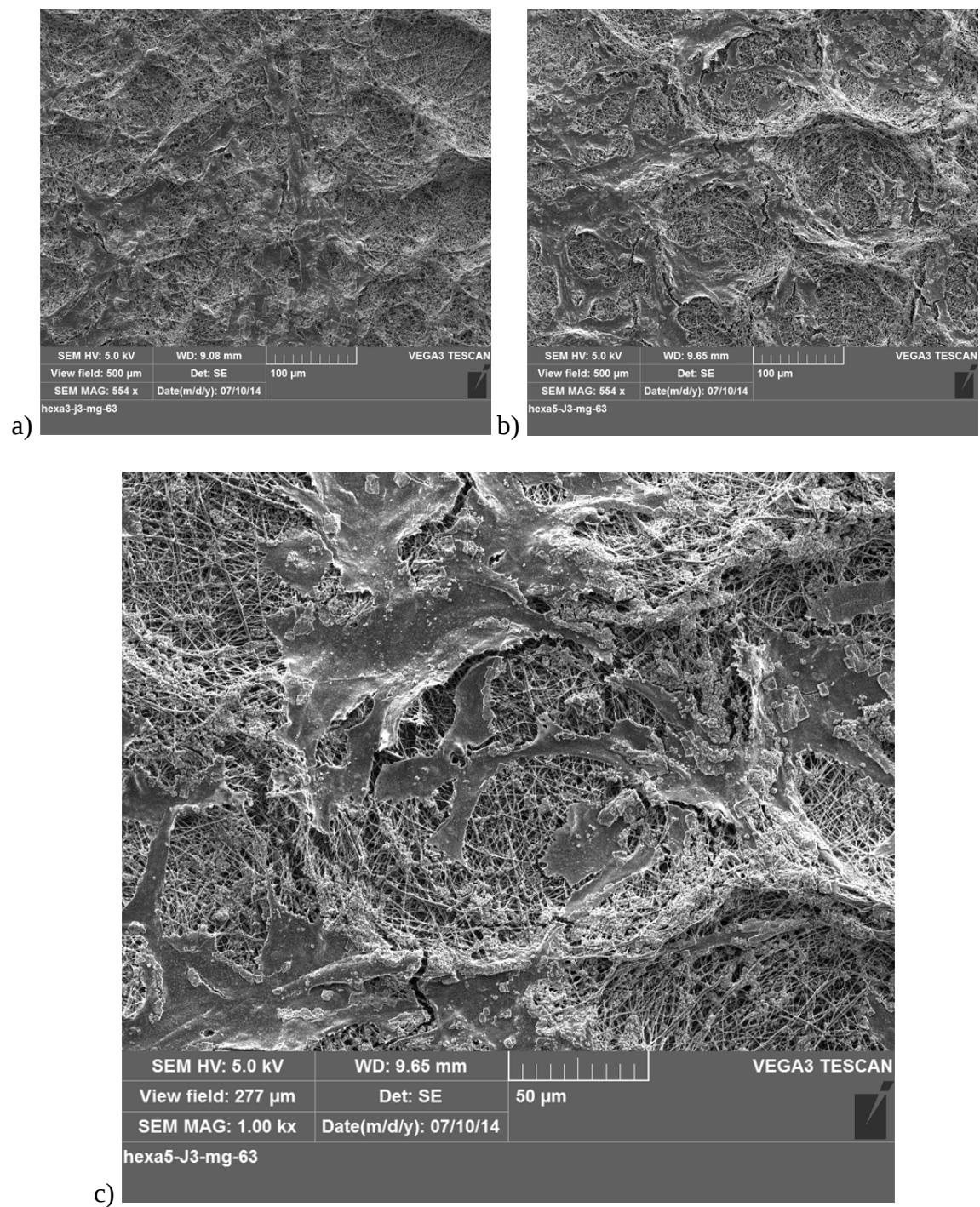


Figure S4: Observation of MG63 cells after 3 days of culture. a) Hex_{20,60} b) Hex_{60,120}. c) Detail of b) for Hex_{60,120}.