

Electronic Supplementary Information (ESI) for *RSC Advances*.

Spontaneous Osteogenic Differentiation of Mesenchymal Stem Cells on Electrospun Nanofibrous Scaffolds

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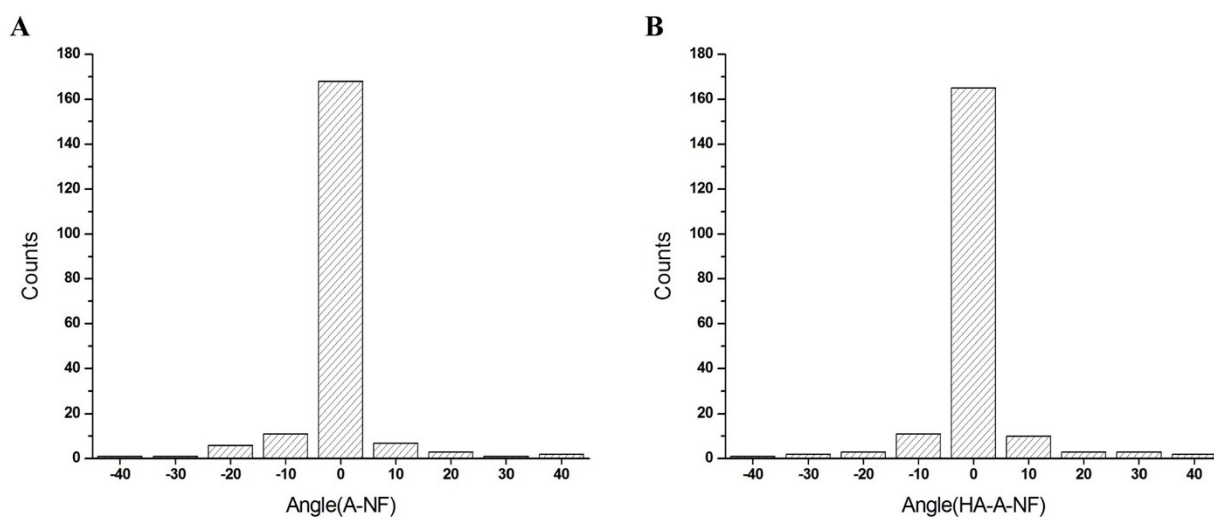


Fig. S1† The parallel degree of the aligned fibers, (A) A-NF and (B) HA-A-NF.

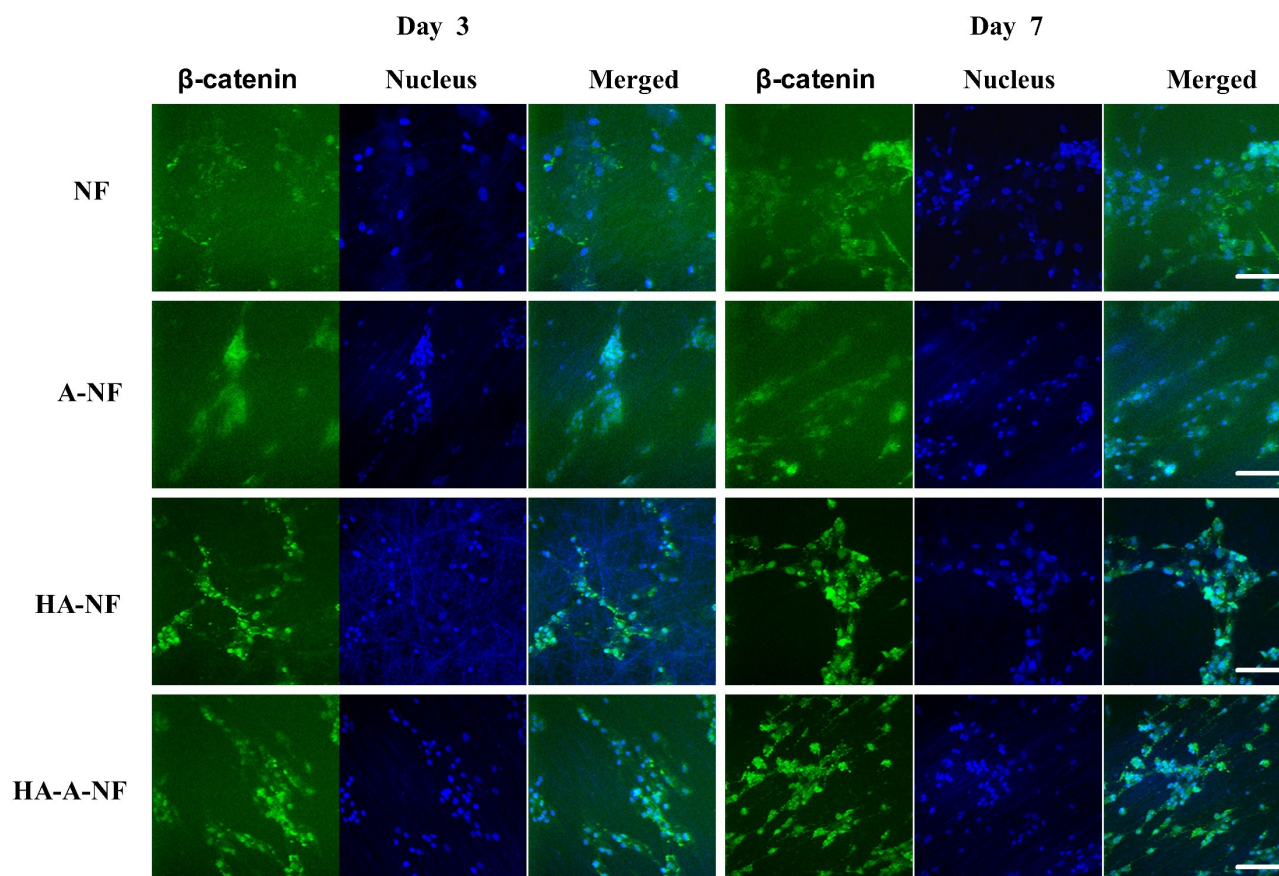


Fig. S2† Immunostaining of total β -catenin (in green) and nucleus (in blue) after MSCs were cultured on different PHBV nanofibers for 3 and 7 days. Scale bars: 100 μ m.

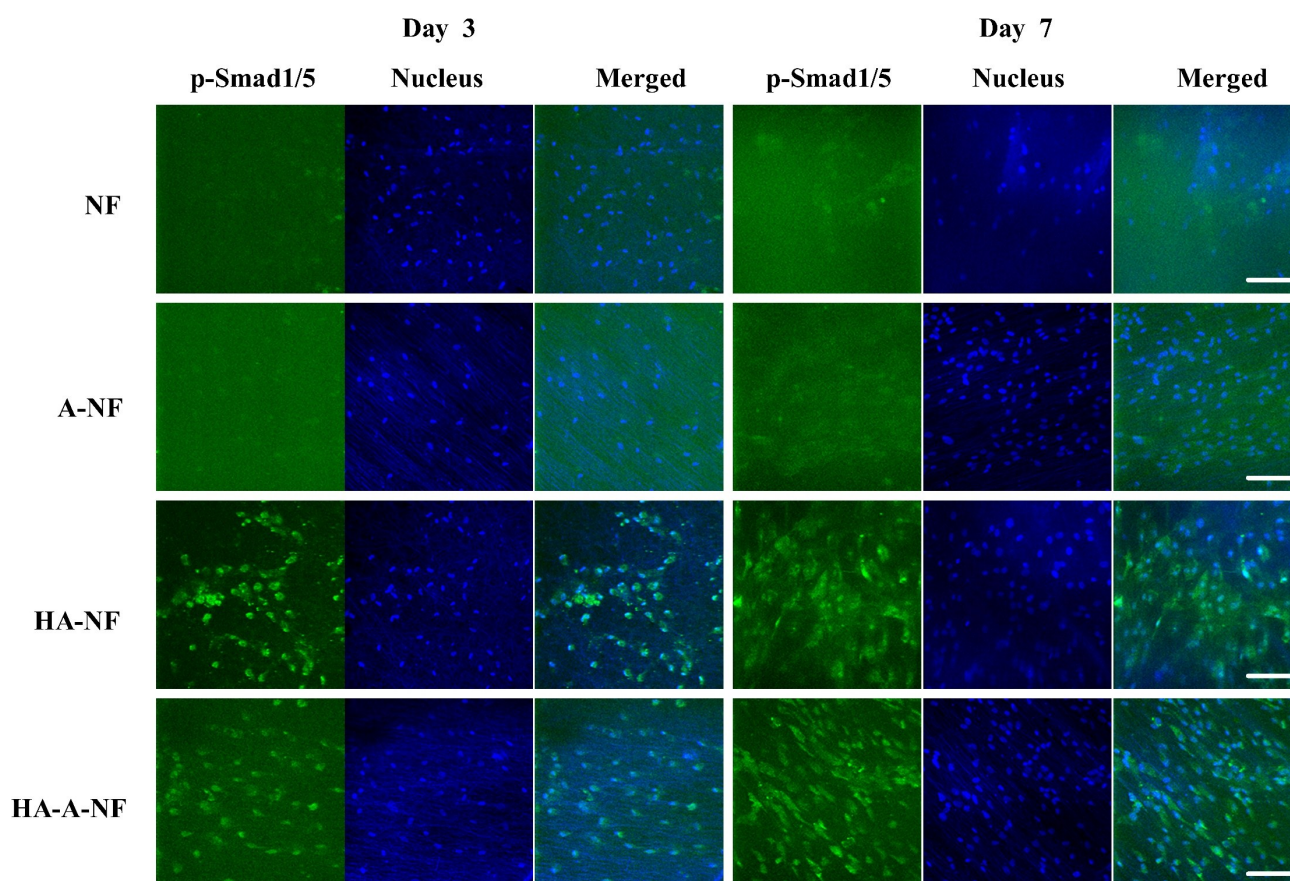


Fig. S3† Immunostaining of p-Smad1/5 (in green) and nucleus (in blue) after MSCs were cultured on different PHBV nanofibers for 3 and 7 days. Scale bars: 100 μ m.

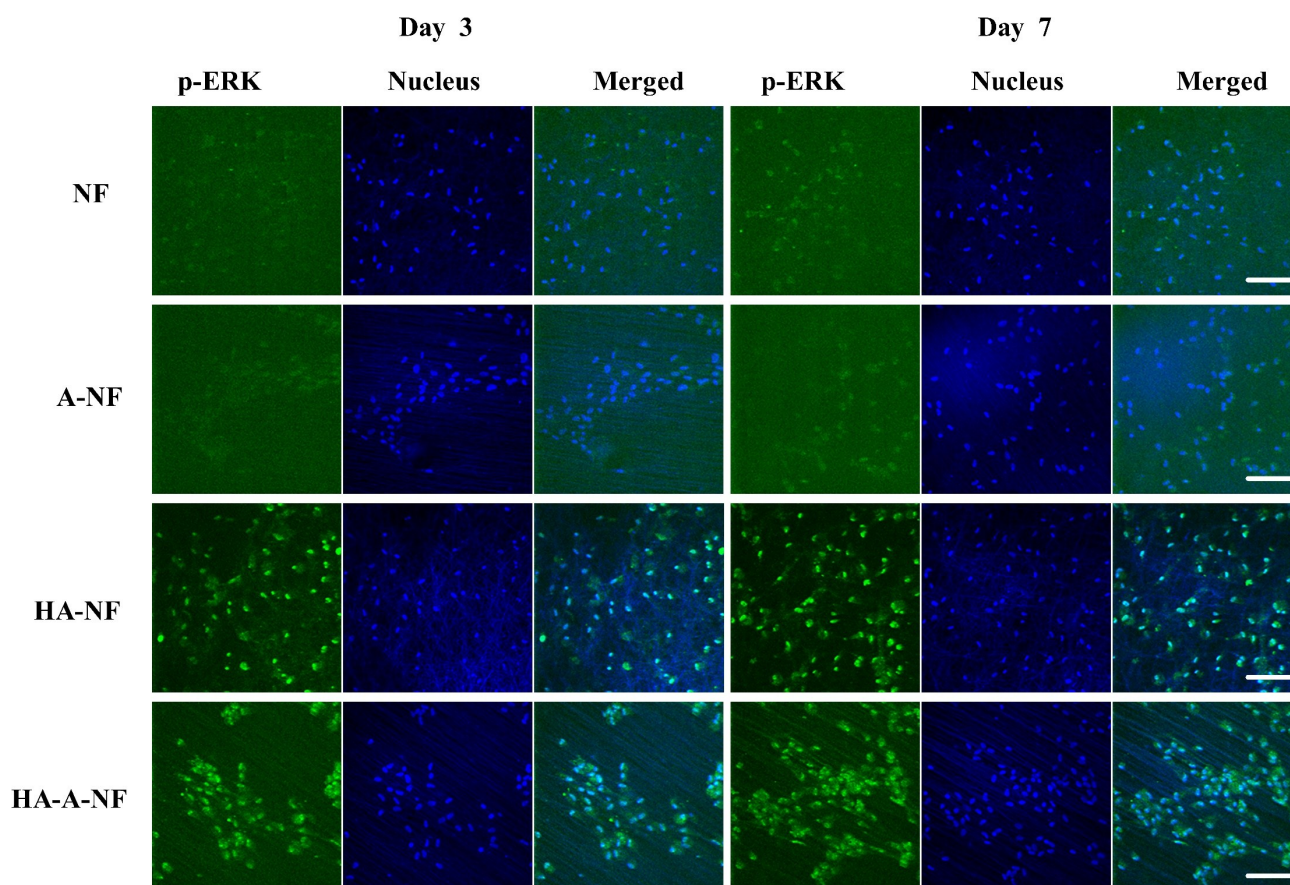


Fig. S4† Immunostaining of p-ERK (in green) and nucleus (in blue) after MSCs were cultured on different PHBV nanofibers for 3 and 7 days. Scale bars: 100 μ m.

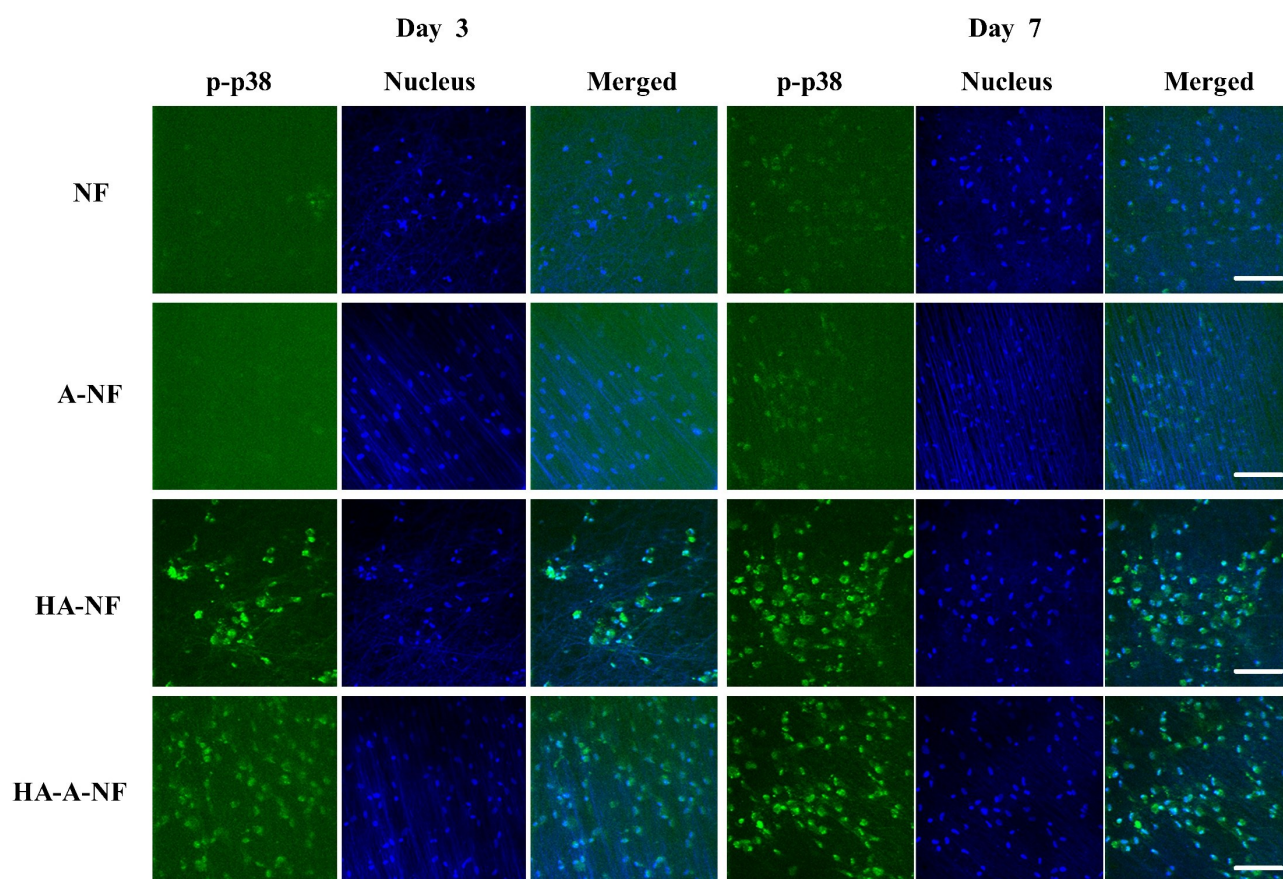


Fig. S5† Immunostaining of p-p38 (in green) and nucleus (in blue) after MSCs were cultured on different PHBV nanofibers for 3 and 7 days. Scale bars: 100 μ m.