Electronic Supplementary Material (ESI) for Nanoscale Advances.

New volumetric CNT-doped Gelatin-Cellulose scaffold for skeletal muscle tissue engineering

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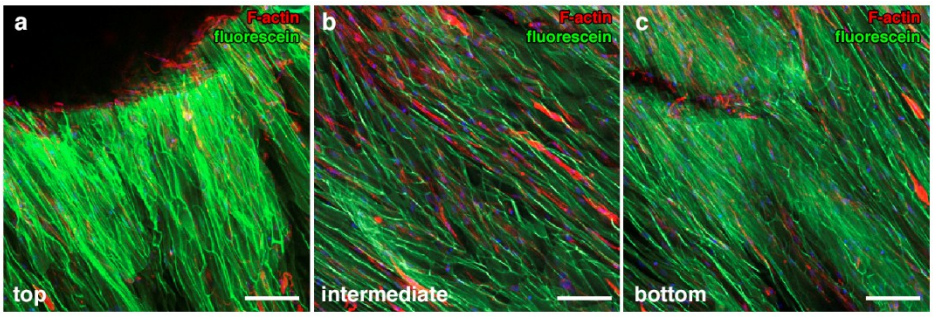
Supplementary Figures



Detph	Number of Cells
Top	284
Intermediate 1	426
Intermediate 2	291
Intermediate 3	300
Bottom	289

FIgure S 1 Cells can colonize all the depth of the cryogel. (a – c) Confocal merged images showing aminofluorescein marked cryogel in green, cells marked with phalloidin in red and cell nuclei counterstained in blue with DAPI. Scale bars = 100 µm. (d) Table with the nuclei quantification of 5 different depths among the whole cryogel.

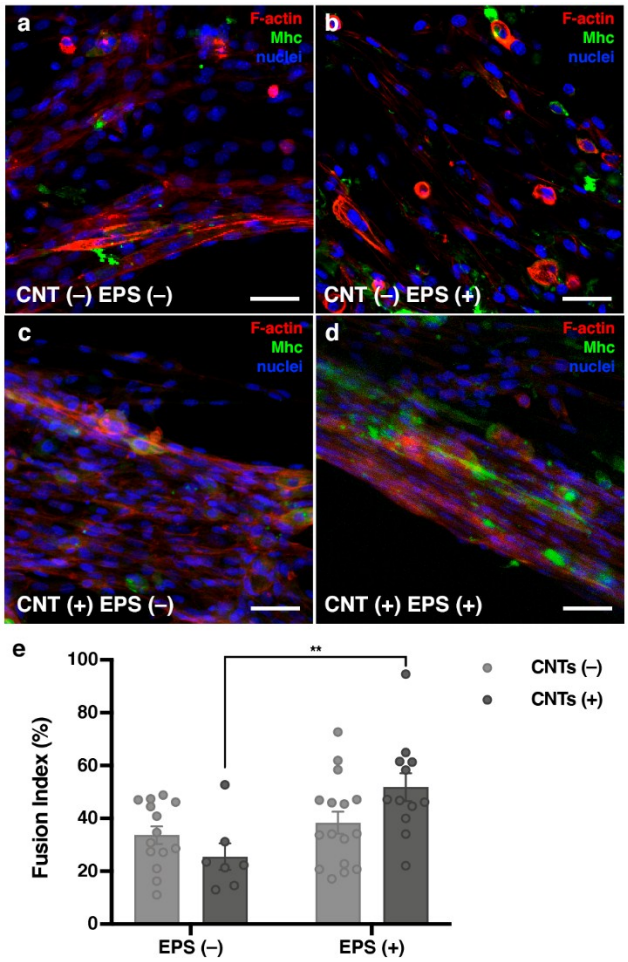


FIgure S 2 Fusion index of all the conditions of the cryogel. (a – d) Confocal merged images showing cells marked with phalloidin in red, cell nuclei counterstained in blue with DAPI and Mhc marked with Alexa-488 in green. Scale bars = 100 µm. (e) Graphs showing fusion index in all the possible cryogel conditions CNTs(+/-) and EPS(+/-). Results are mean ± SEM. * p-valor = 0.05