

RESEARCH ARTICLE

Characterization of biological and mechanical properties of
3D-bioprinted osteochondral plugs

Supplementary file

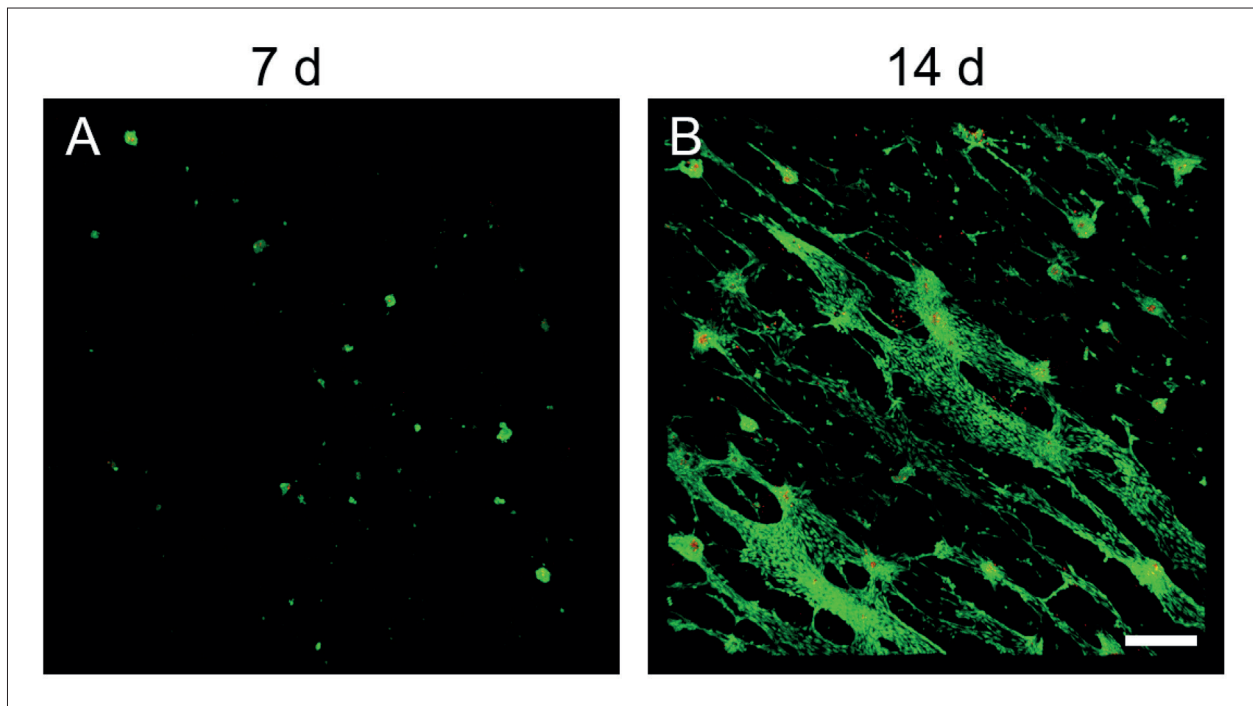


Figure S1. Human bone marrow-derived mesenchymal stem cells (hbMSCs) were seeded on 3D- polycaprolactone (PCL) printed disks containing hydroxyapatite (Hap) and tricalcium phosphate (TCP) microparticles after (A) 7 days and (B) 14 days of culture in growth medium. Initial adhesion of hbMSCs to the disks was relatively poor, but significant proliferation occurred at 1–2 weeks of culture, and the cells aligned along the direction of the printed PCL roads (i.e., from top left to bottom right). Scale bar: 500 μ m