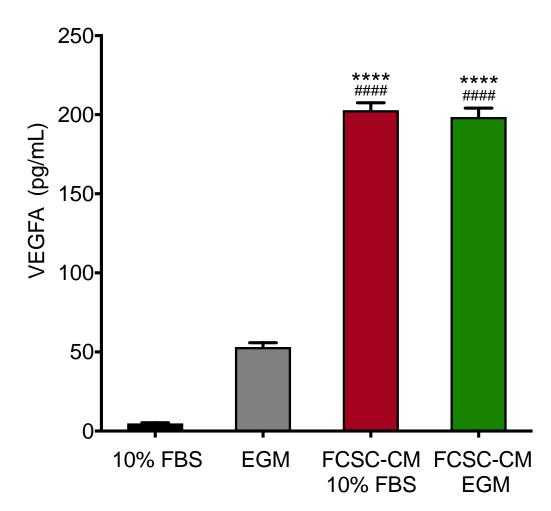
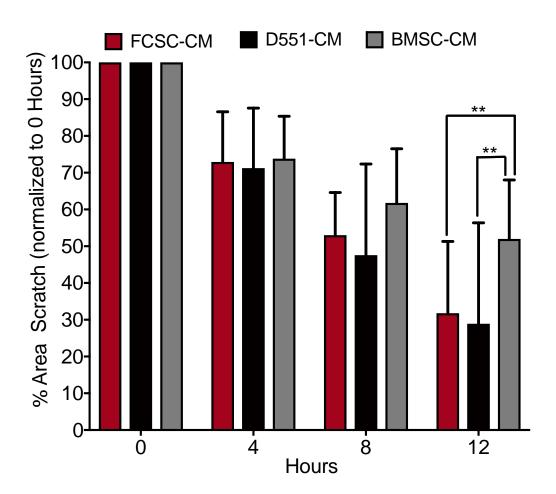
Fibrocartilage Stem Cells Engraft and Self-Organize into Vascularized Bone

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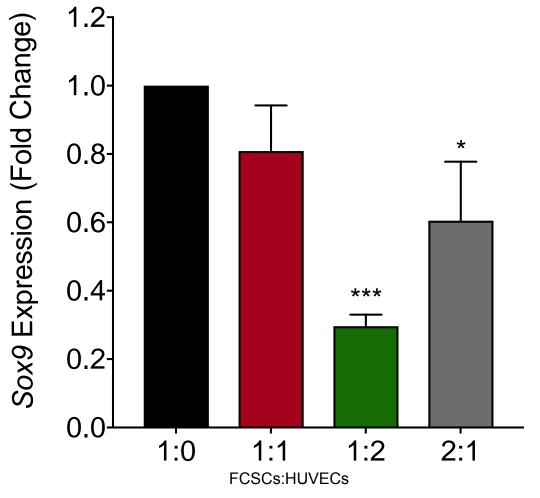
Appendix

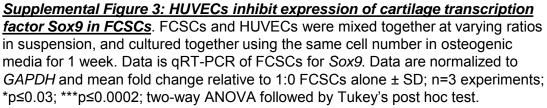


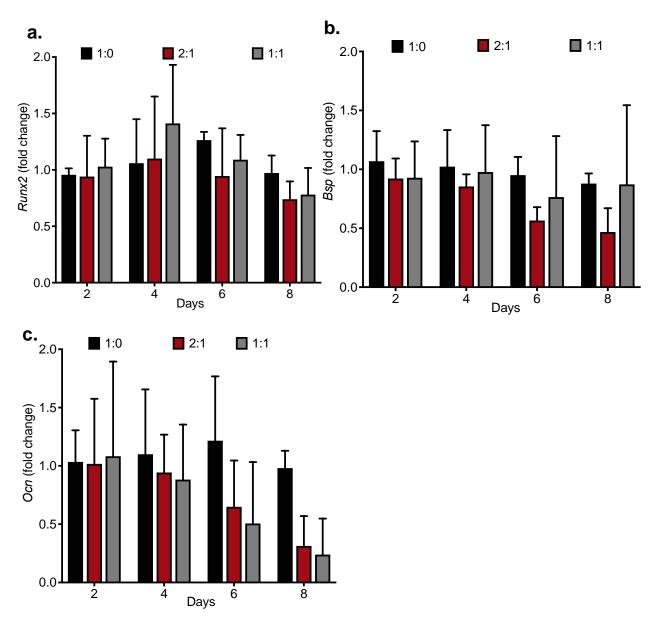
<u>Supplemental Figure 1: FCSCs secrete VEGF-A</u>. ELISA was used to measure VEGF-A (pg/mL) in FCSC-conditioned media 3 days after reaching 100% confluency in 10%FBS and endothelial growth media (EGM). Data are mean concentration VEGF-A in FCSC-conditioned media normalized to VEGF-A contained in corresponding media and relative to 10% FBS or EGM ± SD; n=3 experiments; *p≤0.03, **p≤0.002, ***p≤0.0002, ****p≤0.0001; two-way ANOVA followed by Tukey's post hoc test.



<u>Supplemental Figure 2: FCSCs do not enhance HUVEC migration in scratch assay.</u> Scratch_assay was used to measure HUVEC migration cultured conditioned media derived from fibrocartilage stem cells (FCSC-CM), and compared to D551 fibroblasts (D551-CM) and bone marrow stromal cells (BMSC-CM) every 4 hours for 12 hours. Data are mean \pm SD; n=12; *p≤0.03, **p≤0.002, ***p≤0.0002, ****p≤0.0001; two-way ANOVA followed by Tukey's post hoc test.







<u>Supplemental Figure 4: HUVECs do not enhance osteogenic differentiation of</u> <u>FCSCs in non-contact Transwell® assay</u>. qRT-PCR of (a) Runx2, (b) Bsp and (c) Ocn in FCSCs cultured on transwell inserts with various concentrations of HUVECs after 2, 4, 6, and 8 days. Data are normalized to GAPDH and mean fold change relative to FCSCs alone \pm SD; n=4 experiments; two-way ANOVA followed by Tukey's post hoc test.