

Endothelial cells promote 3D invasion of GBM by IL-8-dependent induction of cancer stem cell properties

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Supplemental Figure 1

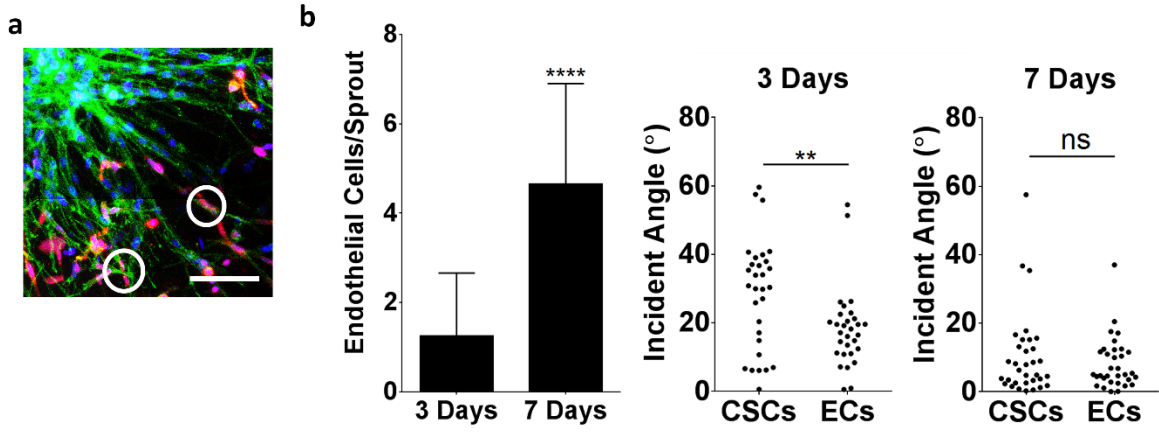
(a) Confocal micrographs of the periphery of GBM co-culture spheroids (nestin, labeled green) visualizing directional alignment of endothelial cell (mCherry, labeled red) towards the spheroid.

(b) Left: Quantification of the frequency of endothelial cell co-localization with GBM invasions ('sprouts') following 3 and 7 days of culture. Middle, Right: Measurement of the incident angle of both tumor cell invasions and endothelial cells relative to the spheroid surface demonstrate different growth and migration angles after 3, but not 7 days of culture suggesting increasing alignment over time. ** and **** indicate P-values less than 0.01 and 0.001, respectively.

Supplemental Figure 2

Analyzing data from The Cancer Genome Atlas (TCGA) with the National Cancer Institute's Glioblastoma Bio Discovery Portal suggested a negative correlation between IL-8 and patient survival by revealing that IL-8 z-scores were increased in patients with lower *vs.* upper quartile survival. LQ refers to lower quartile and UQ refers to upper quartile. * indicates a P-value of less than 0.05.

Supplementary Figure 1



Supplementary Figure 2

