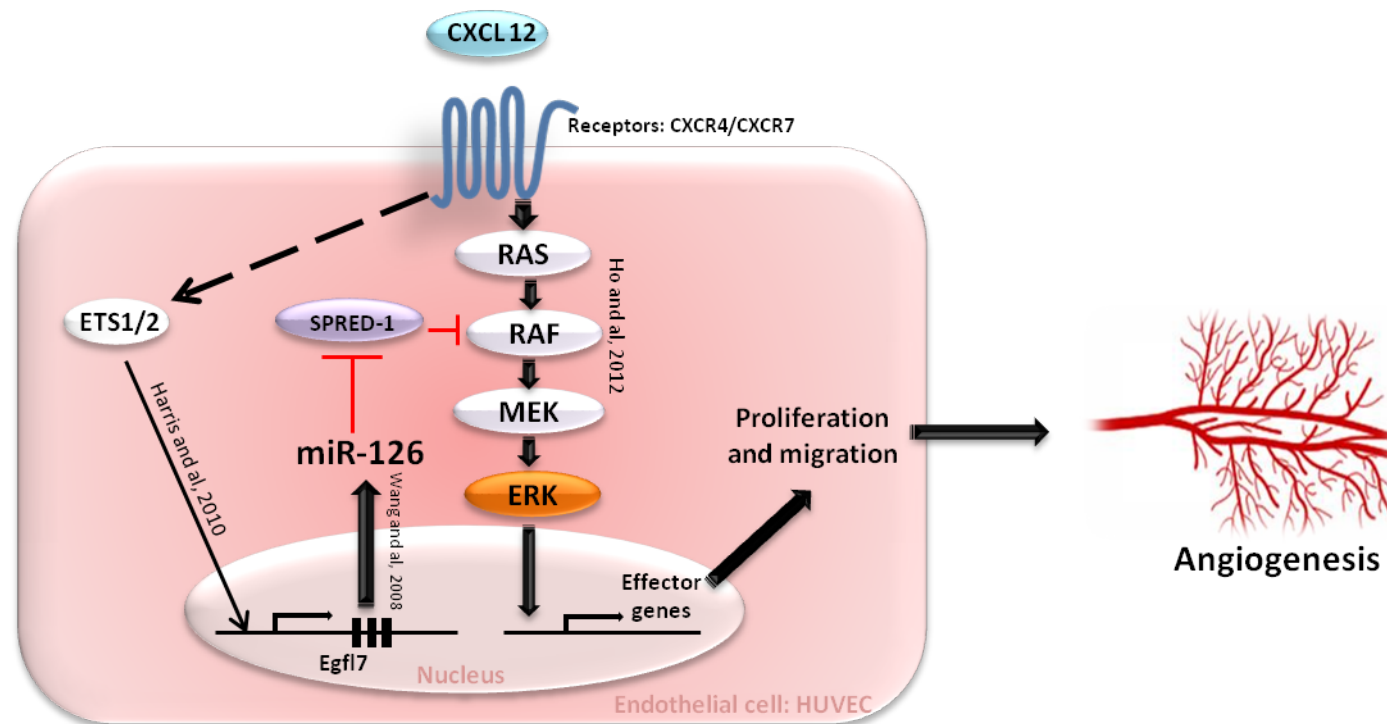


Supplemental Figure 1. Two parallel pathways implicated in angiogenesis: CXCL12 has a proangiogenic effect via the activation of Erk and Akt signaling pathways. CXCL12 enhances miR-126-3p expression which inhibits SPRED-1 and PI3KR2, inducing the activation of Erk and Akt proangiogenic pathways.



Supplemental Figure 2. Hypothetical representation of CXCL12-induced angiogenesis via increase of miR-126 expression through the enhancing of egfl7 promotor activity. CXCL12-based treatment increased the miR-126 level, which inhibits SPRED-1 expression leading to activation of MAPK pathways and the induction of EC proliferation, migration and angiogenesis.