

**SUPPLEMENTARY TABLE 2: STRATEGIES FOR VESSEL MATURATION**

MOLECULAR STRATEGIES	Controlled -release of a cocktail of growth factors (e.g., VEGF with PDGFB/Ang1, as proteins or via gene transfer)
	Controlled -release of a transcription factor (e.g., HIF1 $\alpha$ ) that regulates multiple vascular growth factors
CELLULAR STRATEGIES	Implantation of ECs harboring anti-apoptotic (e.g., <i>Bcl2</i> ) or anti-senescence genes (e.g., <i>hTERT</i> )
	Implantation of both ECs and MCs derived/expanded from embryonic or adult stem cells
	Mobilization of both ECs and MCs to the site of angiogenesis by injecting a common attractant/mitogen (e.g., PlGF ?)