

Figure S1. Representative analyzed images of quantification of vascular sprouting parameters from coculture spheroids embedded within gradient scaffolds. Representative image of vascular sprouting within a high modulus region of a modulus gradient scaffolds (left) and a high RGD concentration region in scaffolds containing gradients of immobilized RGD (right).



Figure S2. Representative stress-strain curve used to calculate scaffold elastic modulus.







Figure S3B. HPLC chromatograms of purified MMP-sensitive peptide (GGVPMSMRGGK).



Figure S4A. Mass spectra of cell adhesive peptide YRGDS. MW calculated ([M+H]⁺=597.263 Da); observed ([M+H]⁺=597.265 Da).



Figure S4A. Mass spectra of MMP-sensitive peptide GGVPMSMRGGK. MW calculated ([M+H]⁺ =1076.534 Da); observed ([M+H]⁺=1076.536 Da).