Microfibrous Silver-coated Polymeric Scaffolds with Tunable Mechanical Properties

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Supplementary Material:

**Fig. S1.** Surface profile of thin films under different RF sputtering conditions. By varying the deposition time, we are able to systematically increase the thickness of the Ag layer that ranged from, 50 to 136 to 275 nm.
Fig. S2. FTIR of the various polymer used. Pure PGS, Pure PCL, the blend PGS/PCL, and the blend coated with Ag. Notice that, after Ag sputtering, the C-O peak at 1167 cm\(^{-1}\) almost disappeared so did the C=O peak at 1723 cm\(^{-1}\).
Fig. S3. (a) The melting temperature ($T_m$) of pristine fibrous scaffold of PGS/PCL and Ag coated fibrous scaffold as the function of Ag coating (b) The enthalpy change ($\delta H$) during melting of pristine fibrous scaffold of PGS/PCL and Ag coated fibrous scaffold as the function of Ag coating.