



SUPPLEMENTARY FIG. S2. Gel zymography showing no significant upregulation in activity of MMP2 and 9 between BM-SMCs and SPION-BM-SMCs. **(A)** Representative gel zymogram containing active MMP2 and 9 bands. **(B)** Plot showing the fold change in active MMP2 and 9 levels relative to control RASMCs (assigned to unity - indicated as dotted line). Values indicated are mean \pm SD obtained from $n=3$ replicate cultures/condition. BM-SMCs, bone marrow mesenchymal stem cell-derived SMCs; MMP, matrix metalloproteases; RASMC, rat aortic smooth muscle cells; SD, standard deviation; SMCs, smooth muscle cells; SPION, super paramagnetic iron oxide nanoparticle.