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Oxygen-dependent generation of a graded polydopamine coating on nanofibrous materials for controlling stem cell functions

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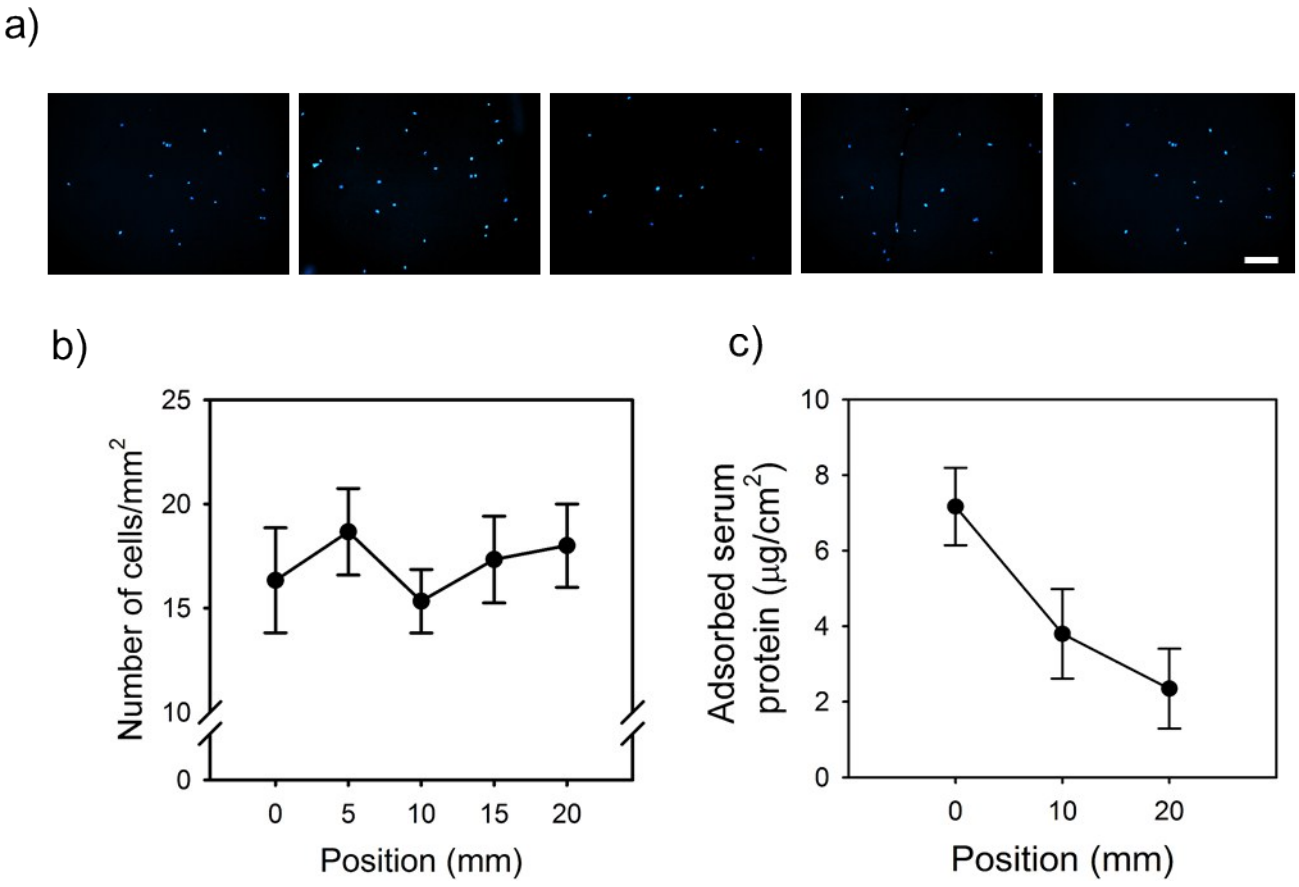

Figure S1. a) DAPI stained hMSCs on PD gradient nanofiber after 24 hr culture under serum free media (scale bar 100 μm. b) Number of hMSCs on different positions of PD gradient nanofiber. c) Quantified amount of adsorbed serum proteins from three representative positions of gradient nanofiber. Overall, the gradient of PD on the nanofiber surface appeared to allow gradual adsorption of serum protein along the PD gradient, which regulated stem cell adhesion. The study of cell adhesion without serum protein also supported these results.