

## Supporting information

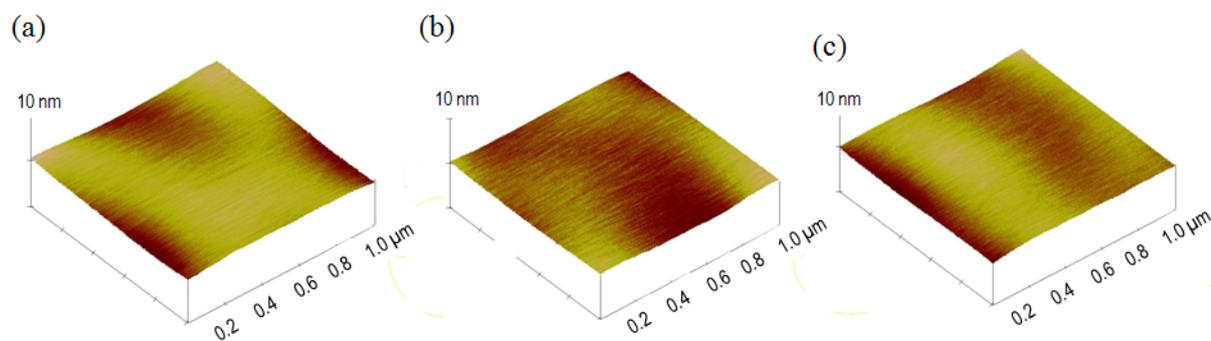


Figure S1.A three dimensional AFM images of (a) UV non-exposed DTOPV, UV exposed DTOPV for (b) 15 and (c) 30 min. Data scale = 10 nm

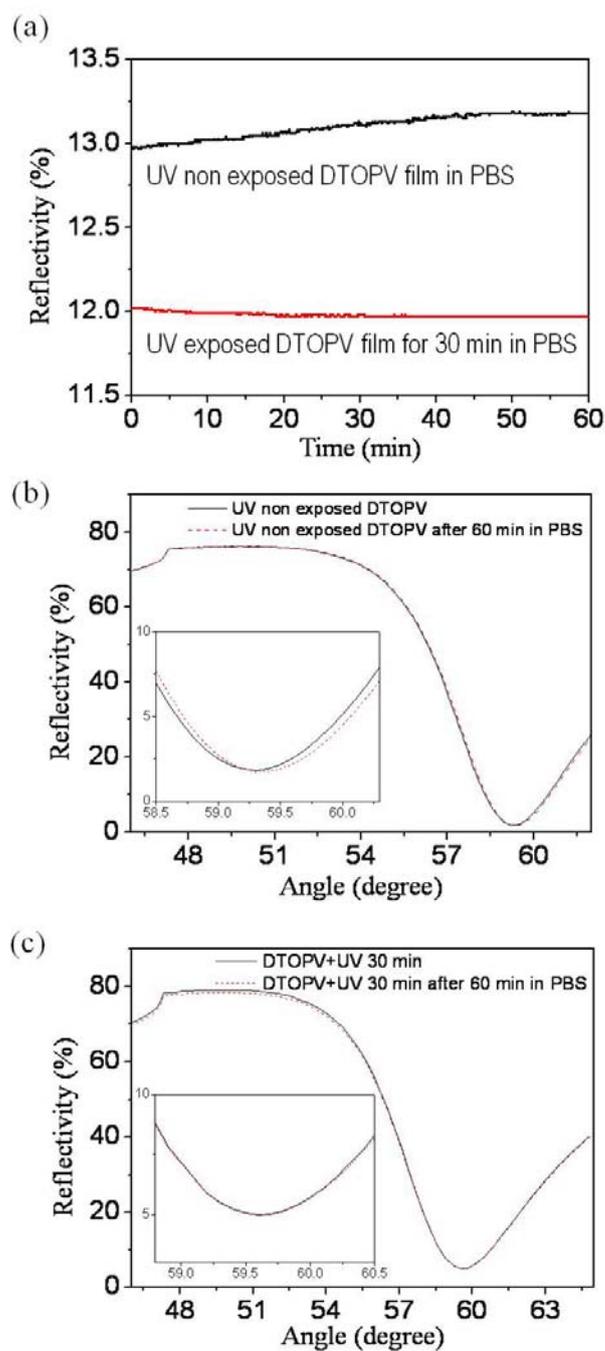


Figure S2. (a) SPR kinetic monitoring of UV non-exposed and UV exposed DTOPV film for 30 min kept in pure PBS condition for 60 min. SPR angular scan data of (b) UV non-exposed and (c) UV exposed DTOPV film for 30 min kept in pure PBS condition for 60 min. The inset is an enlarged view of the resonance peak.

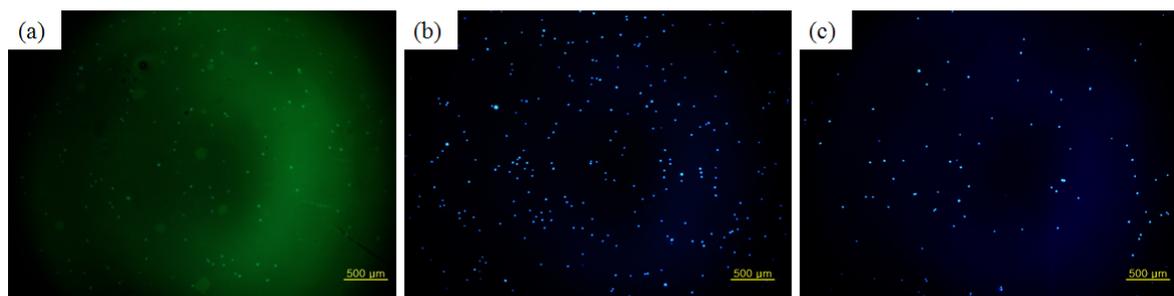


Figure S3. Fluorescent microscopy images of MSCs attachment tests on (a) UV non-exposed DTOPV, (b) UV exposed DTOPV, and (c) TCPS. These images show nuclei of the cells stained with DAPI.