Supplementary Information for

Rapid harvest of stem cell sheet by thermoresponsive bulk poly(*N*-isopropylacrylamide) (PNIPAAm) nanotopography

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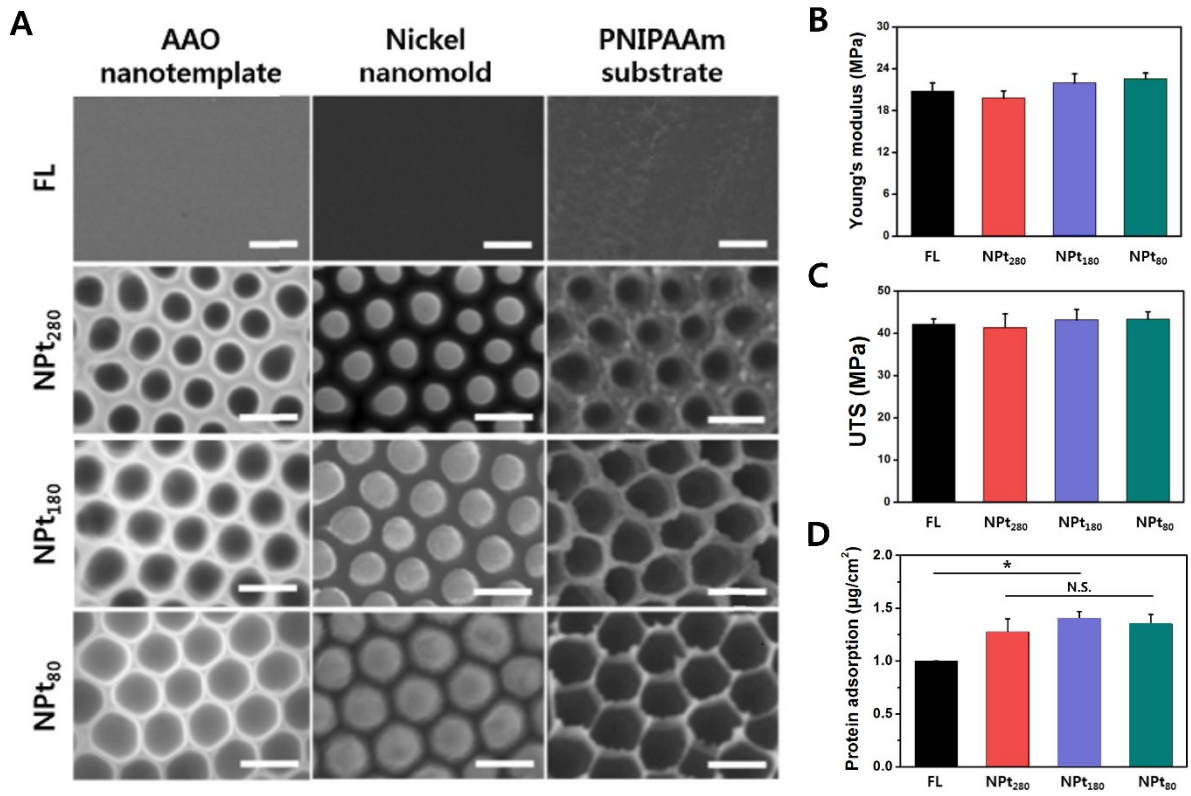

Figure S1. (A) SEM images of nanopore-patterned surfaces created during the three-step nanoreplication process and (B-D) their characterization.

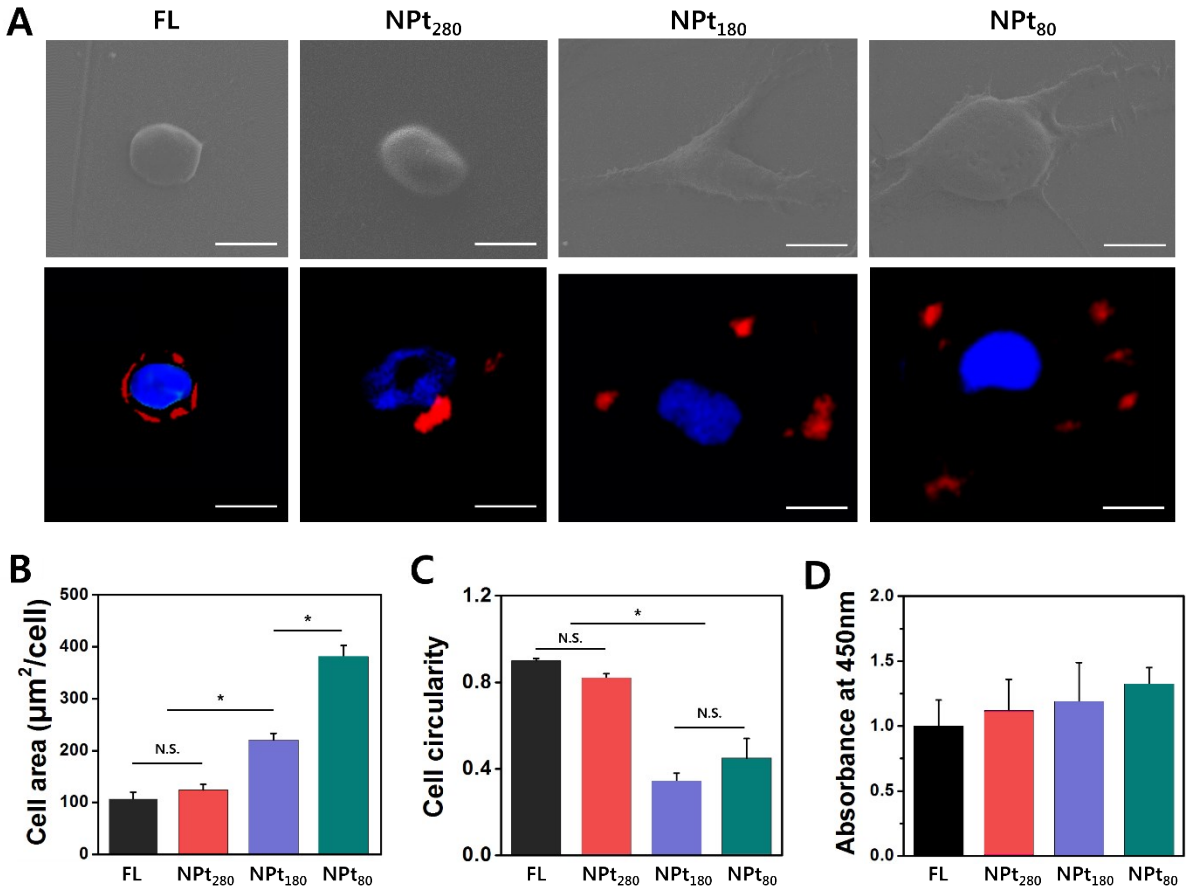

Figure S2. Individual cell analysis on bulk PNIPAAm nanopore-patterned surface having a wall thickness of 280, 180, and 80 nm compared with PNIPAAm FL. (A) SEM and vinculin immunostained images (scale bar: 10 μm) of human bone marrow mesenchymal stem cells (hBMSCs) cultured for 12 h on different PNIPAAm surfaces. (B) The spreading read and (C) circularity of hBMSCs cultured on different PNIPAAm surfaces. (D) Initial attachment of hBMSCs on different bulk PNIPAAm nanopore-patterned surfaces.

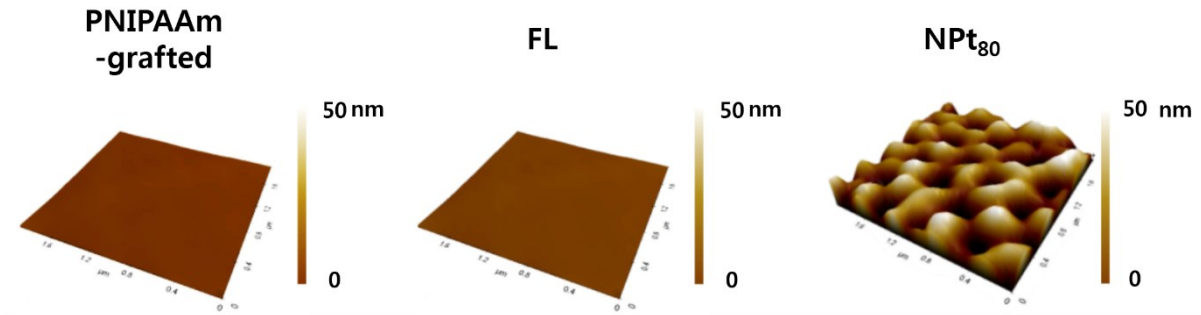

Figure S3. AFM images of three different PNIPAAm surfaces prior to their incubation at a temperature condition of 20 ºC.