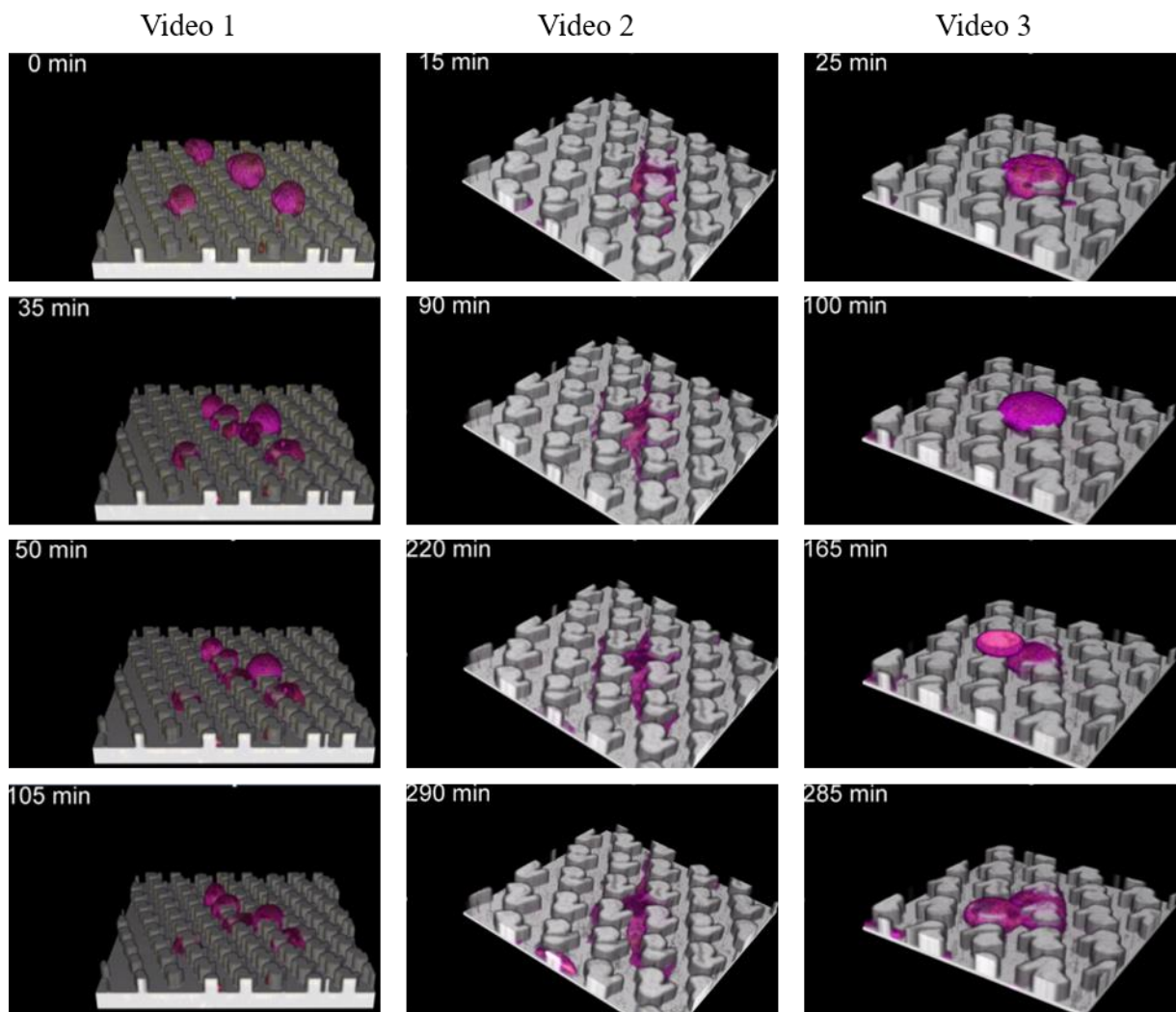


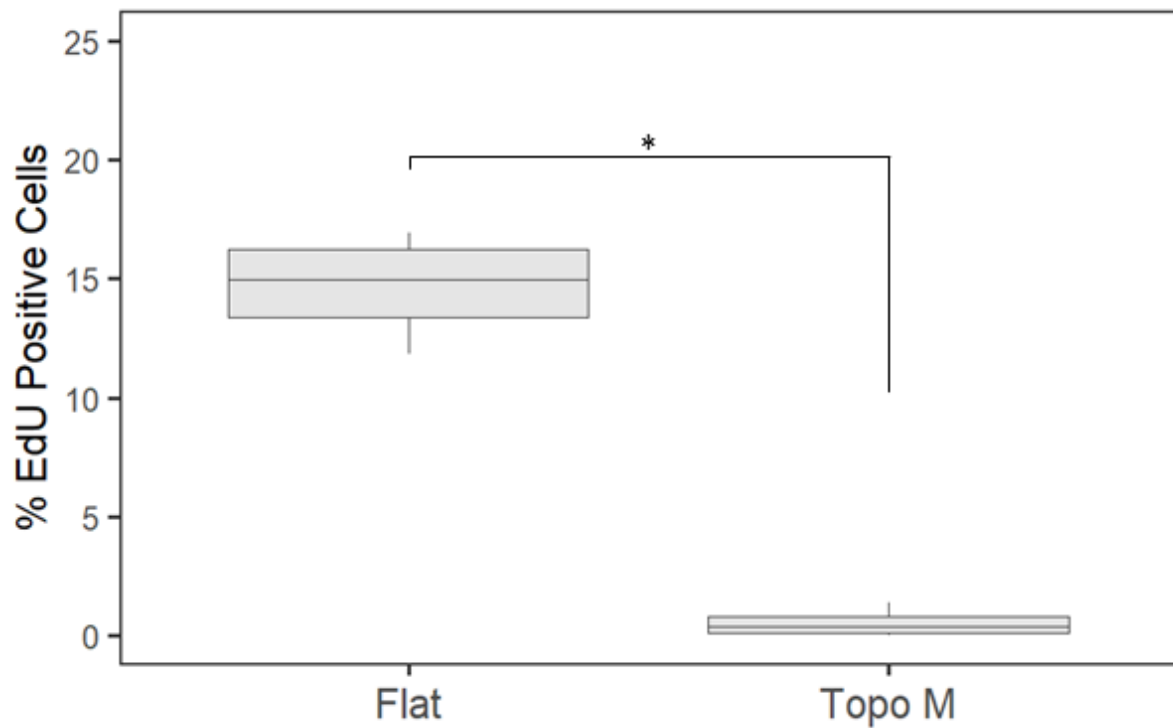
Supplementary figures for:

Dynamic adaptation of mesenchymal stem cell physiology upon exposure to surface micropatterns

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Supplementary figure 1. Cells adapting to surface topography. Selected frames of three-dimensional reconstructed confocal live cell image micrographs. Video 1 shows the attachment of fluorescently labeled U2OS cells to a topography M substrate. Video 2 shows the constant remodeling of protrusions. Video 3 shows the differences in cell-material contact during cell division. Full videos are available at www.jandeboerlab.com.



Supplementary figure 2. Validation decrease proliferation rate. A second hMSC-donor was used to validate the observation on decreased proliferation rates of hMSCs on topographically-enhanced substrates compared to flat substrates (N=4). The followed procedure was similar to the proliferation experiments from the main text using the medium size scaled topographies, however, using a female donor of 76 years old. The difference between conditions were significantly different with $p < 0.05$, as indicated by the statistical significance star.