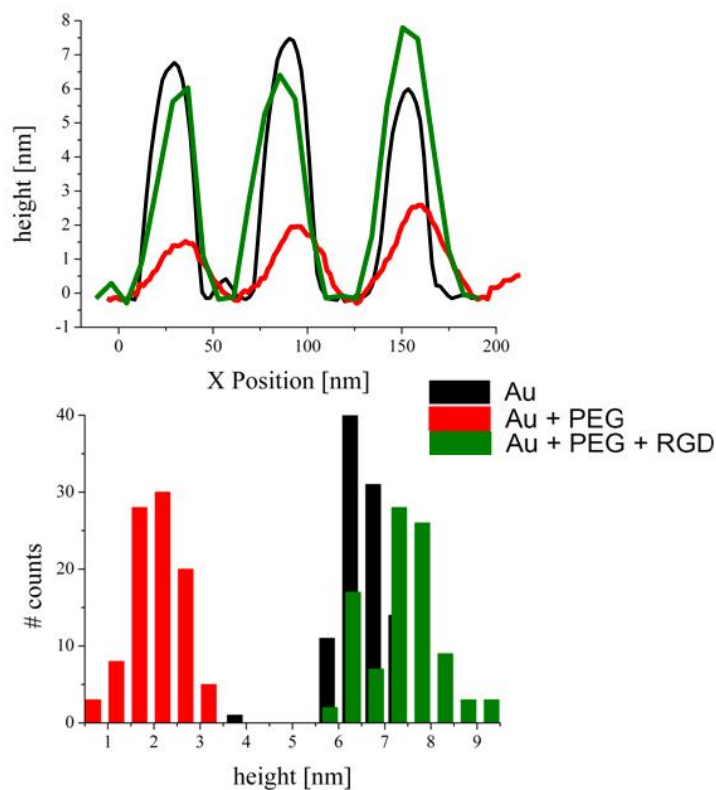


## Supplemental Data



**Figure S1:** We have carried out additional scanning force microscopy studies of the nanopatterned surfaces in their different functionalization states. Black data show pure gold nanoparticles with an average height of 6 nm, red data show the pure gold nanoparticles but with the glass plate being functionalised with PEG which provides a 4 nm layer between the gold nanoparticles. Therefore, the height plot indicates ca. 2 nm large particles reaching out of the PEG layer. Green data provide height information after functionalization of the gold particles with cyclic RGD resulting in 7 nm large functionalized gold particles. The theoretical length of the cyclic RGD peptide including the spacer length is ca. 4 nm which underlines the experimental data. The data provide also a statistical analysis of more than 100 particles which show that each gold particle is indeed functionalized with RGD.