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SUPPLEMENTARY DATA

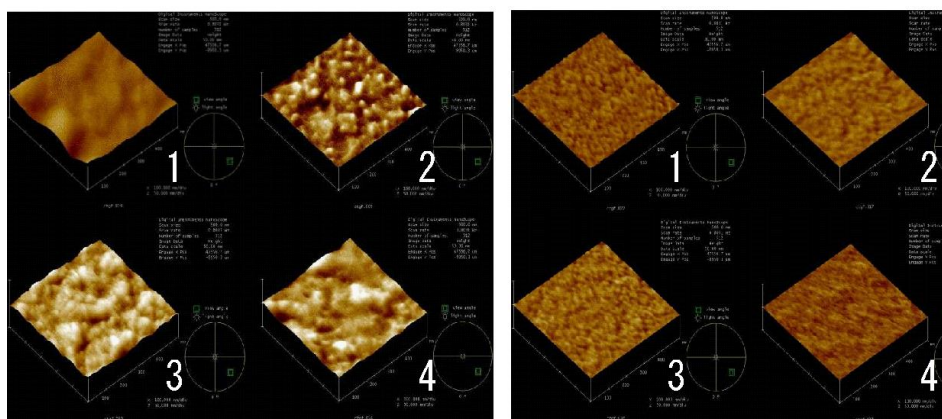
A sulfated glycosaminoglycan array for molecular interactions between glycosaminoglycans and growth factors or anti-glycosaminoglycan antibodies

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without surface treatment

with surface treatment

Supplementary Figure S1. The plastic (for example cyclic polyolefin or polypropylene) substrate surface, which had been coated with metacrylate polymers, was exposed to 10 nM aqueous protein solution, and incubated for 1 h at 37 °C [4, 5]. The substrate was washed three times with deionized water including 0.05% Tween 20, then dried and was examined by AFM (NanoScope, Digital Instruments) in the range 500 x 500 nm. After this treatment, non-specific adsorption was not observed at the surface as shown in the figure. Substrate: polypropylene; lane 1, control; lane 2, TGF- β (hydrophobic protein); lane 3, histone (basic protein); lane 4, erythropoietin (glycoprotein).