Electronic Supplementary Material (ESI) for Journal of Materials Chemistry B.

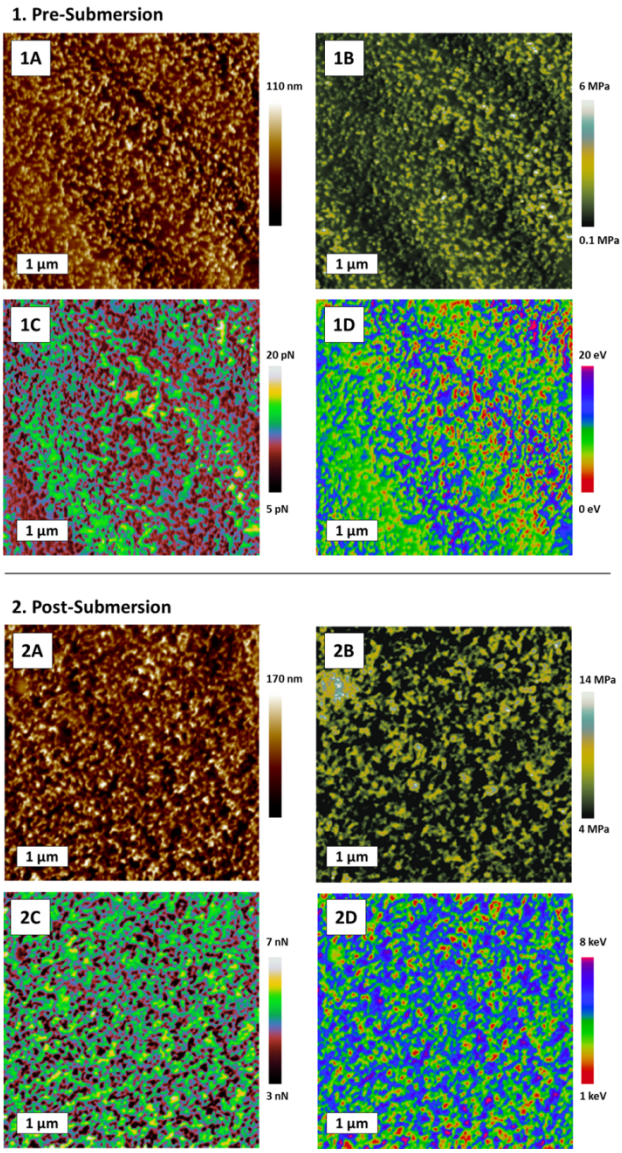

Fig. S1 SFS of a 25 µm^2 area before (1) and after (2) exposure to PBS. Topography (A) is overlaid with modulus (B), adhesion force (C) and dispersion force (D).

Table S1 Contact angle analysis of spin-coated films

	Static contact angle (°)[b]		
Thickness (nm)[a]	15 sec	1 min	2 min
101 ± 4[c]	116 ± 1	115 ± 1	114 ± 1
143 ± 1[d]	114 ± 3	113 ± 3	112 ± 3
341 ± 2[e]	119 ± 1	91 ± 19	56 ± 4
553 ± 1[e]	118 ± 1	58 ± 1	50 ± 0
703 ± 4[e]	106 ± 6	55 ± 1	48 ± 1

[a]Determined via ellipsometry (Alpha-SE, JA Woollman)
[b]Determined via contact angle (CAM200, KSV Instruments)
[c] Coatings formed via spin-coating (3000 rpm) from 3 drops of a 1 wt% hexane solution comprised of the PEO-silane amphiphile (9 wt% based on MED-1137).
[d] Coatings formed via spin-coating (3000 rpm) from 1 drop of a 2 wt% hexane solution comprised of the PEO-silane amphiphile (17 wt% based on MED-1137).
[e]Coatings formed via spin-coating (3000 rpm) from 1, 2 and 3 drops of a 5 wt% hexane solution comprised of the PEO-silane amphiphile (17 wt% based on MED-1137).

Table S2 Metrics of reorganization kinetics

	Metric	Definition
Height & Surface Area	ΔZ (nm)	Z range
	A_{surf} (μm^2)	Projected surface area
Roughness	RMS_Z (nm)	Root-mean-squared Z variation
	σ_Z (nm)	Z standard deviation
Phase	ΔPh (degrees)	Phase range
	RMS_{Ph} (degrees)	Root-mean-squared phase variation
	σ_{Ph} (degrees)	Phase standard deviation
Amplitude	ΔAmp (mV)	Median amplitude differential
	σ_{Amp} (mV)	Amplitude standard deviation