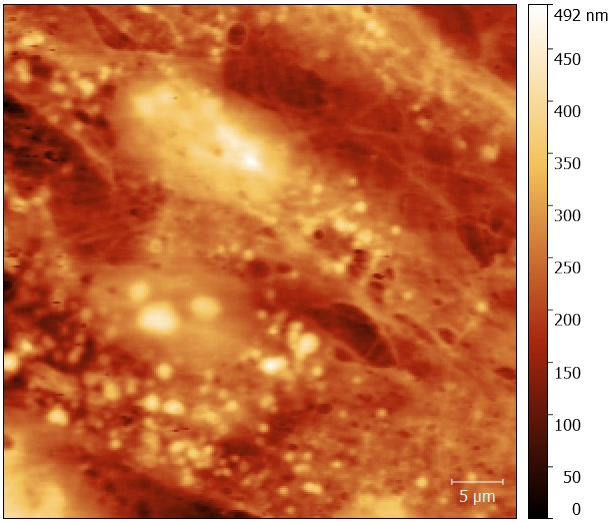
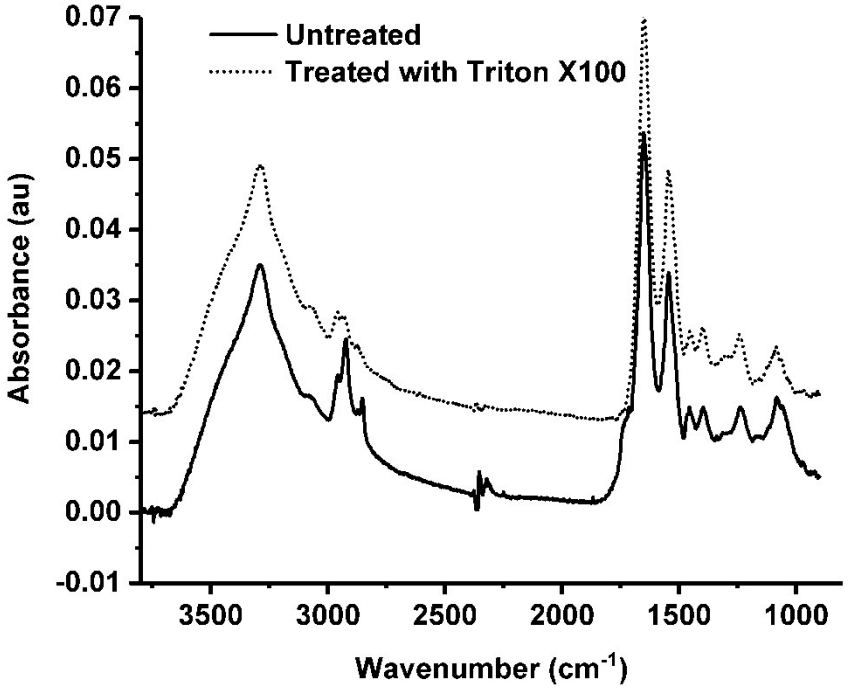
Electronic Supplementary Material (ESI) for RSC Advances.



Supplementary Figure S1. Overview of sample area in an AFM Height map after AFM-IR measurements.



Supplementary Figure S2. FTIR spectra of single Detroit 551 fibroblast cells adherent and fixed on CaF_2 optical windows. Solid line: fixed cells before treatment with Triton X-100. Dotted line: fixed cells after 1h treatment with Triton X-100. The main difference between the two samples is the decrease in the contribution from phospholipid absorption bands, around 1740 cm^{-1}, 2855 cm^{-1} and 2920 cm^{-1}, following treatment with Triton X-100. This is expected because of the solubilizing action of Triton on cellular membranes.