Supplementary Material

**Polysaccharide Thin Solid films for Analgesic Drug Delivery and Growth of Human Skin Cells**

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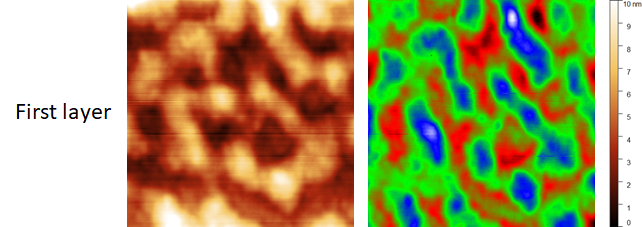
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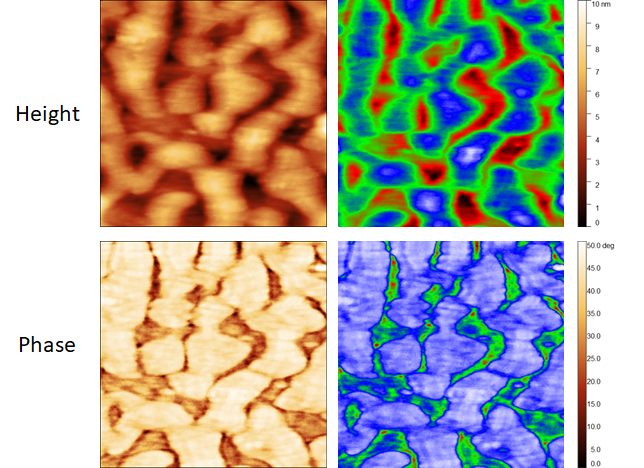
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**Figure S1**. AFM height image (1 x 1 m2) of the first ALG-CMC spin coated layer. Both (left and right) images are the same but are presented in different colors to confirm the existence of the phase separation.



**Figure S2**. AFM height (top) and phase (bottom) image (1 x 1 m2) of the third ALG-CMC spin coated layer. Both (left and right) images are the same but are presented in different colors to confirm the existence of the phase separation. In the phase image, the presence of two phases can be clearly seen.

**Table S1.** Static contact angle (SCA) values of alginate (ALG), carboxymethyl cellulose (CMC) and ALG-CMC spin coated multi-layers, incorporated with and without drugs.

