Supporting Information

Correlating Membrane Morphological Responses with Micellar Aggregation Behavior of Capric Acid and Monocaprin

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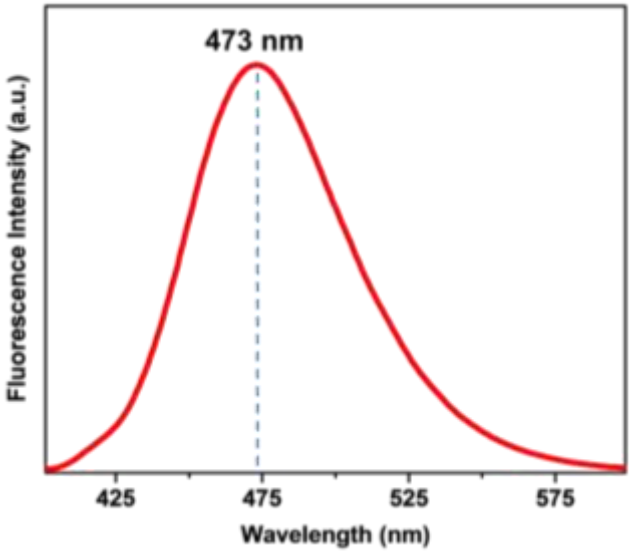

Figure S1. Fluorescence emission spectrum of 1-pyrenecarboxaldehyde in PBS solution. The excitation wavelength was 365.5 nm.

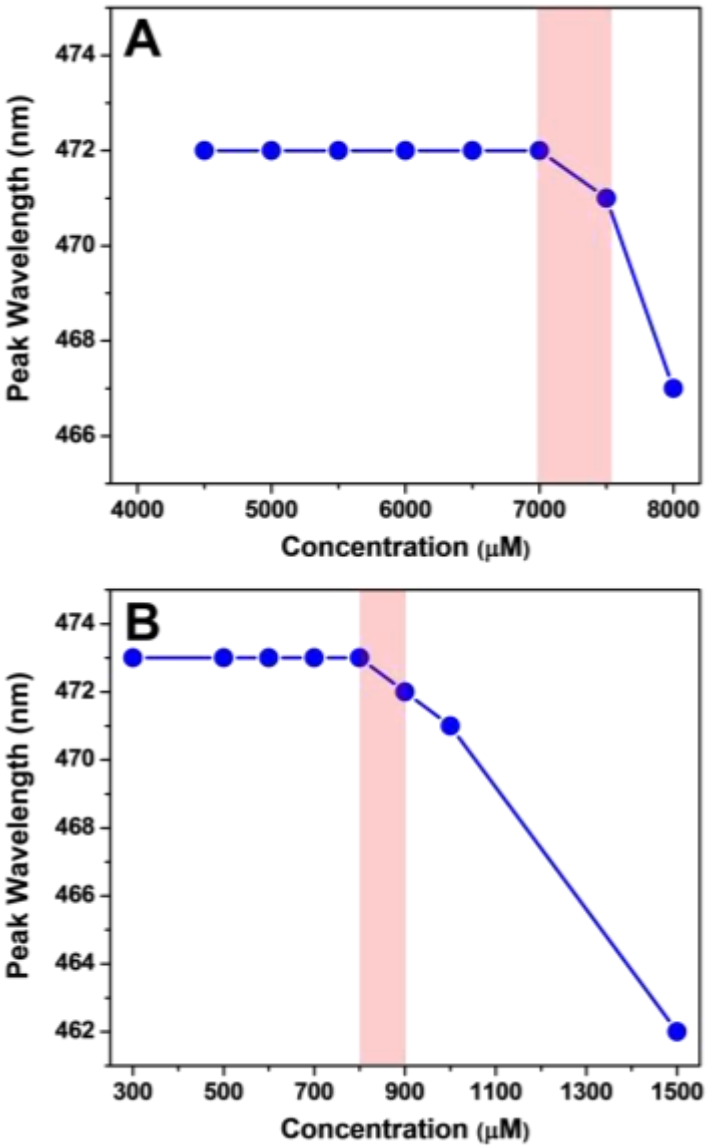

Figure S2. Determination of SDS critical micelle concentration using the 1-pyrenecarboxaldehyde fluorescence probe. Peak wavelength is presented as a function of SDS concentration in **(A)** distilled water and **(B)** PBS. Each data point is the average of six technical replicates (n = 6).

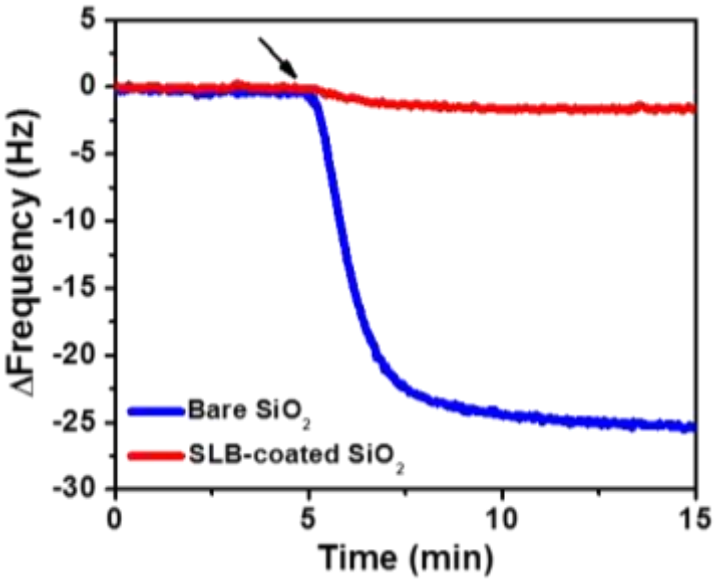

Figure S3. QCM-D measurement of BSA protein adsorption onto bare and SLB-coated silicon dioxide surfaces. Changes in the QCM-D frequency signal were monitored as a function of time. The measurement baseline was recorded in PBS solution, and BSA protein was added starting at *t*=5 min (see arrow).