

Yañez-Soto et al.

SUPPLEMENTARY MATERIAL:

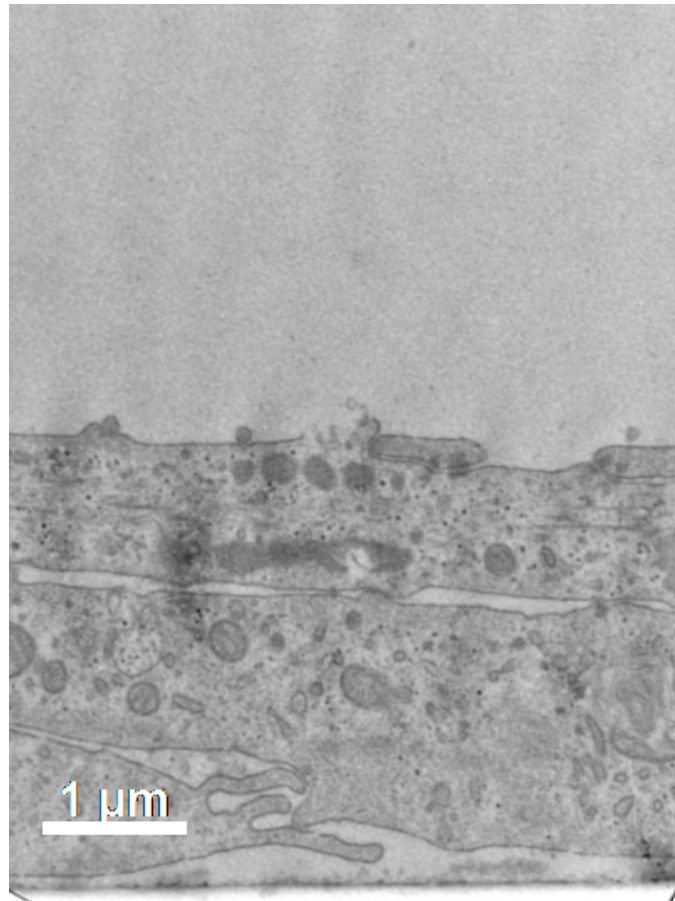


Figure S1: Transmission Electronic micrograph of cells cultured in Stratifying Medium for three days

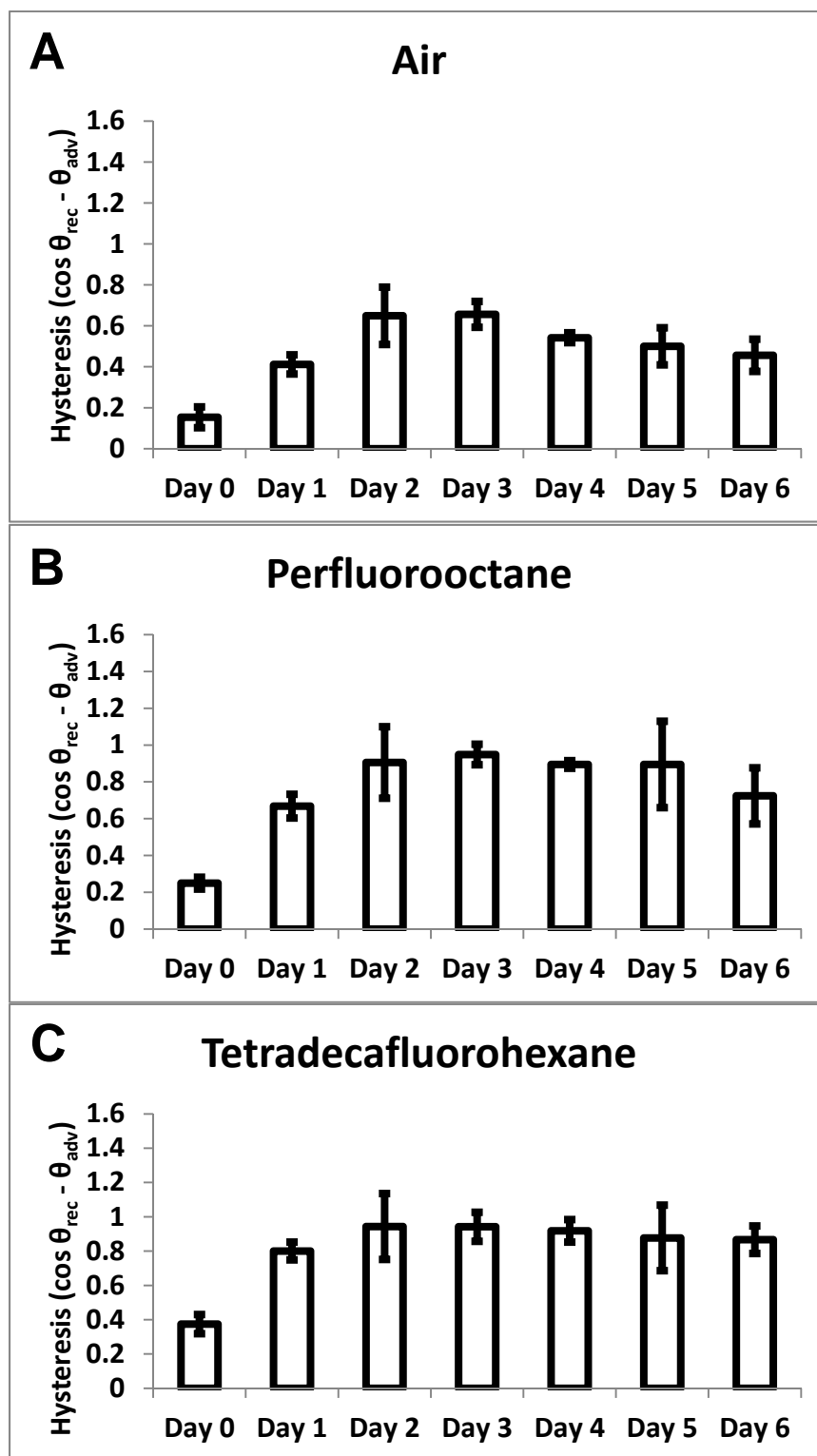


Figure S2. Hysteresis ($\cos \theta_{rec} - \cos \theta_{adv}$) using A) air bubble, B) Perfluorooctane and C) Tetradecafluorohexane as the immiscible phase

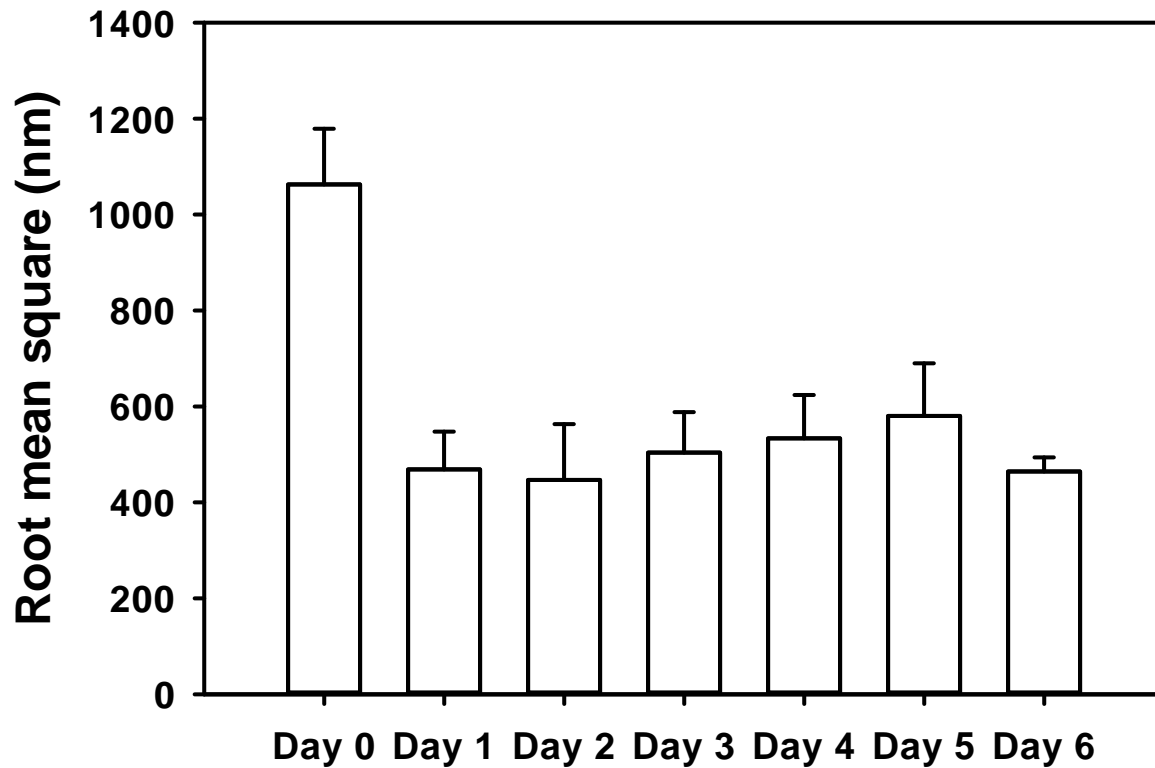


Figure S3. Root mean square (RMS) obtained from the height trace of AFM

Video 1: Captive bubble (air) tilting experiment on unstratified cells. The actual tilting rate is 0.5 deg/s. Movie is played at twice the frame rate (1 deg/s).

Video 2: Captive bubble (air) tilting experiment on stratified cultures (day 3). The actual tilting rate is 0.5 deg/s. Movie is played at twice the frame rate (1 deg/s).

Video 3: Sessile drop (perfluorodecalin) tilting experiment on unstratified cells. The actual tilting rate is 0.5 deg/s. Movie is played at twice the frame rate (1 deg/s).

Video 4: Sessile drop (perfluorodecalin) tilting experiment on stratified cultures (day 3). The actual tilting rate is 0.5 deg/s. Movie is played at twice the frame rate (1 deg/s).