

Unexpected Membrane Dynamics Unveiled by Membrane Nanotube Extrusion

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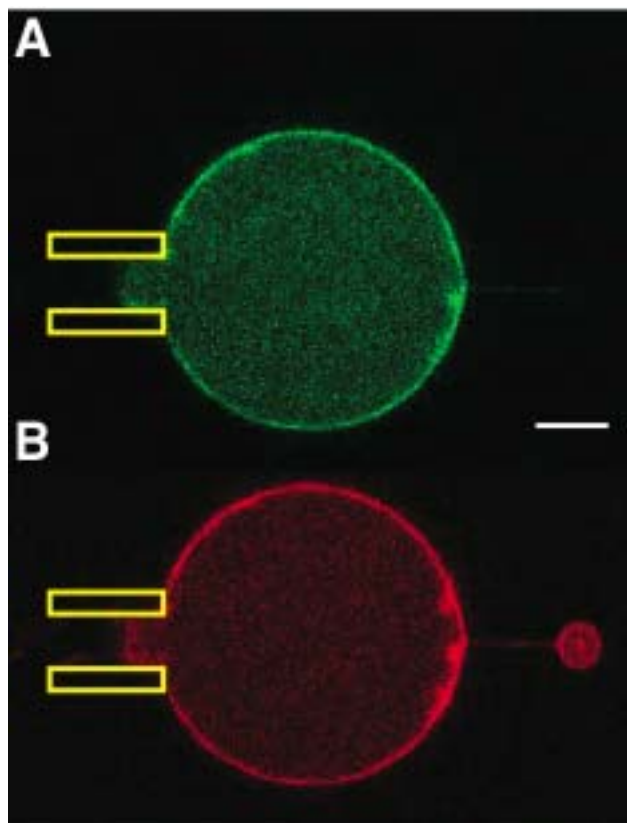
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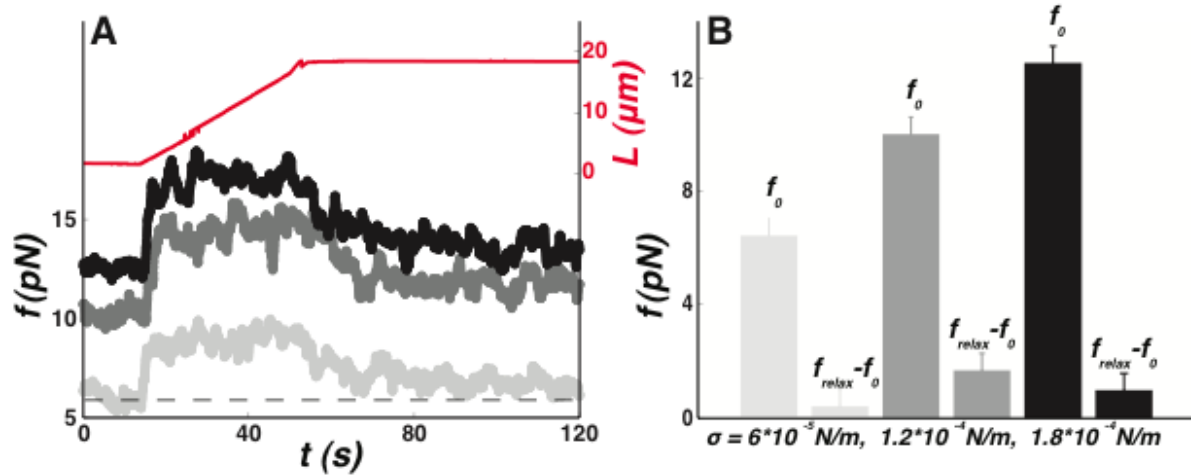
Submitted September 5, 2012, and accepted for publication January 8, 2013.

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Supplementary Material



Supplementary Fig. S1: Confocal observation of a nanotube extrusion experiment on a liposome containing a reconstituted actin cortex A) Equatorial confocal video micrograph of the actin cortex localized at the liposome membrane B) Equatorial confocal video micrograph of the liposome membrane, the nanotube is easily visible with confocal microscopy (scale bar: 5 μm).



Supplementary Fig. S2: The force used for the determination of bending moduli is close to f_0 since $f_{\text{relax}} - f_0 \ll f_0$ especially when tension increases: A) force response to a modification of the tube length L (red plot) for a liposome with lipid composition EPC/DOGS-NTA-Ni/cholesterol 58:5:37 prepared by IE with increasing membrane tension (light grey: 6×10^{-5} N/m, dark grey: 1.2×10^{-4} N/m, black: 1.8×10^{-4} N/m) B) f_0 and $f_{\text{relax}} - f_0$ for the curves presented in A)