Title

Facile generation of giant unilamellar vesicles using polyacrylamide gels

Authors

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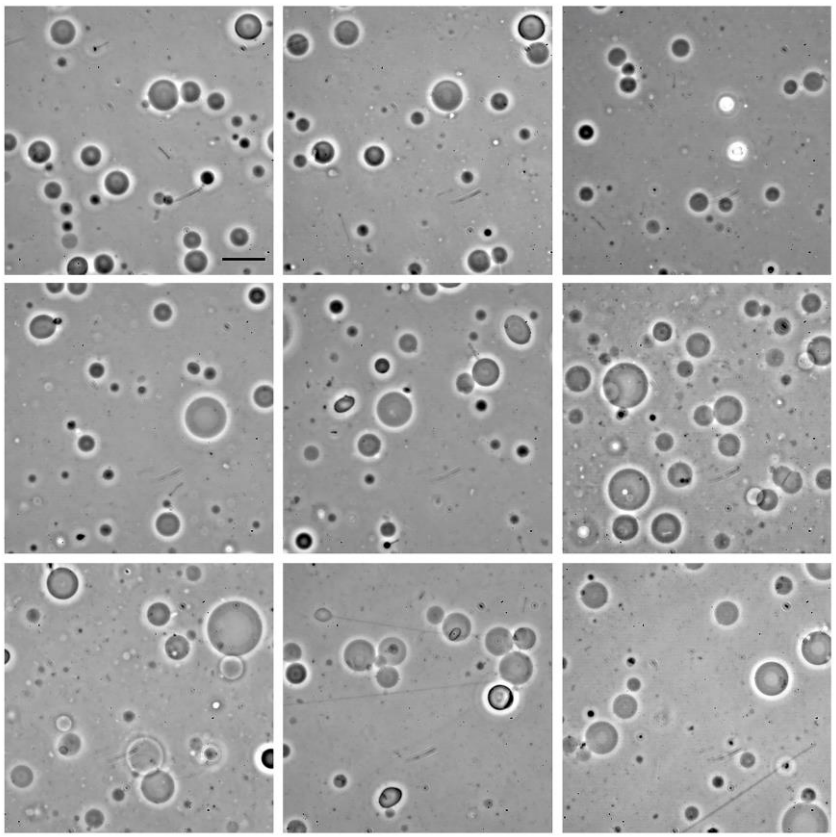
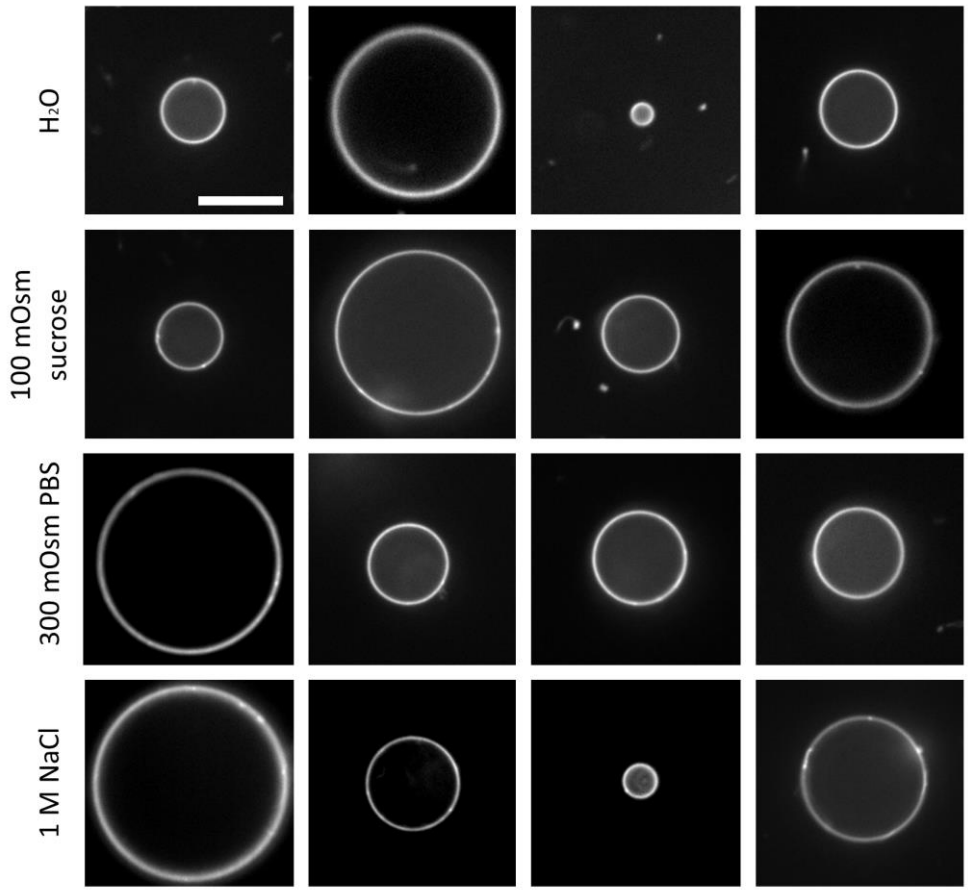
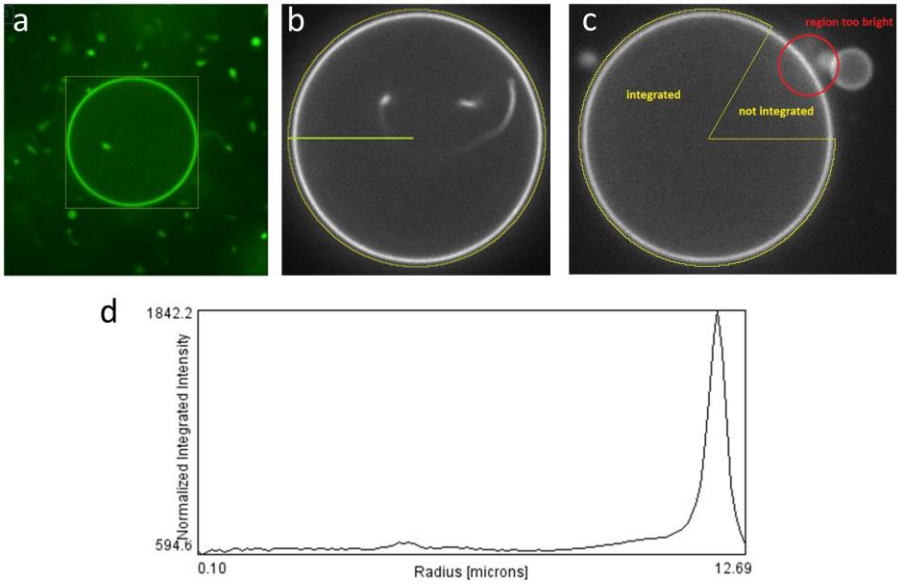
Supplementary Information



Supplementary Figure 1. – Phase contrast images of GUVs. Image gallery of GUVs generated using the PAA method visualized under a phase contrast microscope. To facilitate phase contrast visualization, GUVs were filled with 100 mOsm sucrose and resuspended in either 100 mOsm PBS (panels 1-5) or 100 mOsm glucose (panels 6-9). Scale bar represents 20 µm.



Supplementary Figure 2. – Confocal images of GUVs. Confocal images of the mid-plane of GUVs generated with the PAA method. Scale bar represents 10 μm.



Supplementary Figure 3. – Lamellarity quantification with Image J. (A) Selection of square region of interest around the GUV. (B) Selection of circumference of GUV for intensity integration. (C) Exclusion of a region for intensity integration due to small vesicle fusion or signal interference from a nearby GUV. (D) Plot of normalized integrated intensity versus radius. The peak value was chosen to represent the membrane intensity.