

Supporting Information

Phase-separation on phospholipid membrane induces a characteristic localization of DNA accompanied by its structural transition

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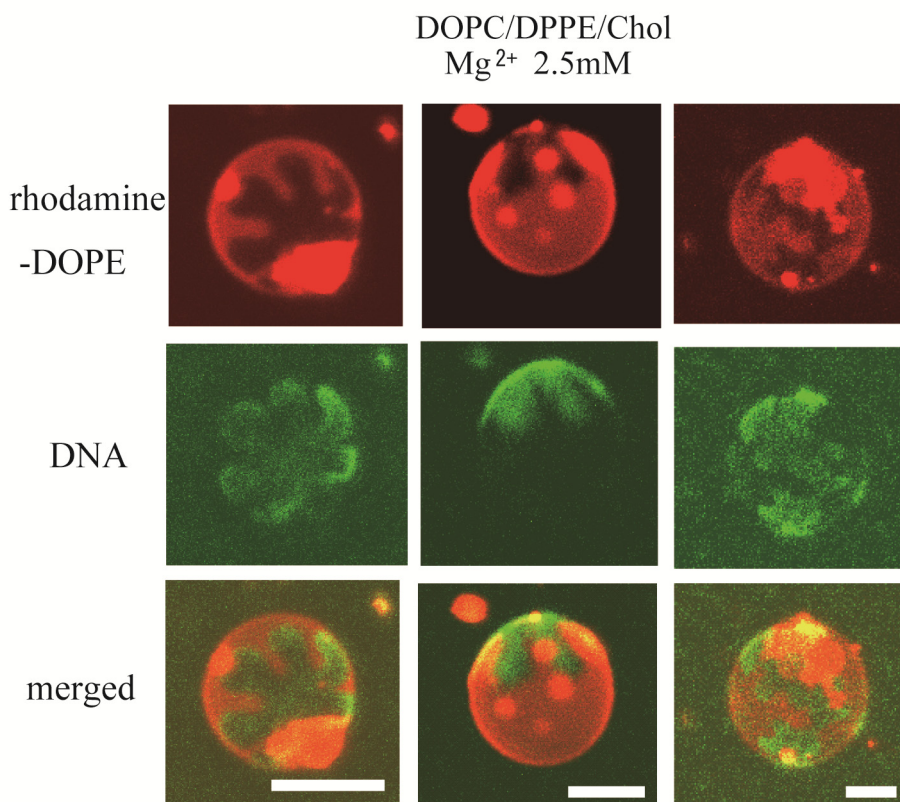
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Figure S1



Confocal laser-scanning fluorescence microscope images of Giant Unilamellar Vesicles (GUV). GUVs composed of DOPC/DPPE/cholesterol/Rh-DOPE (molar ratio 3:3:3.5:0.006) were prepared through the natural-swelling method. T4 DNA labeled with the fluorescent dye YOYO-1 was then added to the GUV solution (2.5 mM MgCl₂ in Milli-Q water). The 488 and 543 nm laser lines were simultaneously used to irradiate the GUVs, and a phospholipid (Rh-DOPE) image and a DNA image were obtained simultaneously at each fluorescence channel. The merged image is also shown. The focus was on the upper surface of each GUV. The image-acquisition time was 1.57 s. Scale bars; 10 μ m.