

## Electronic supplementary information

### Exchange Dynamics Between Amphiphilic Block Copolymers and Lipidic Membranes through Hydrophobic Pyrene Probe Transfer

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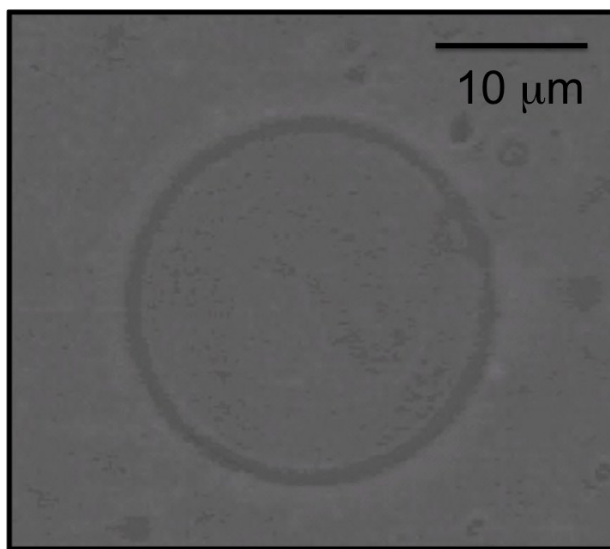
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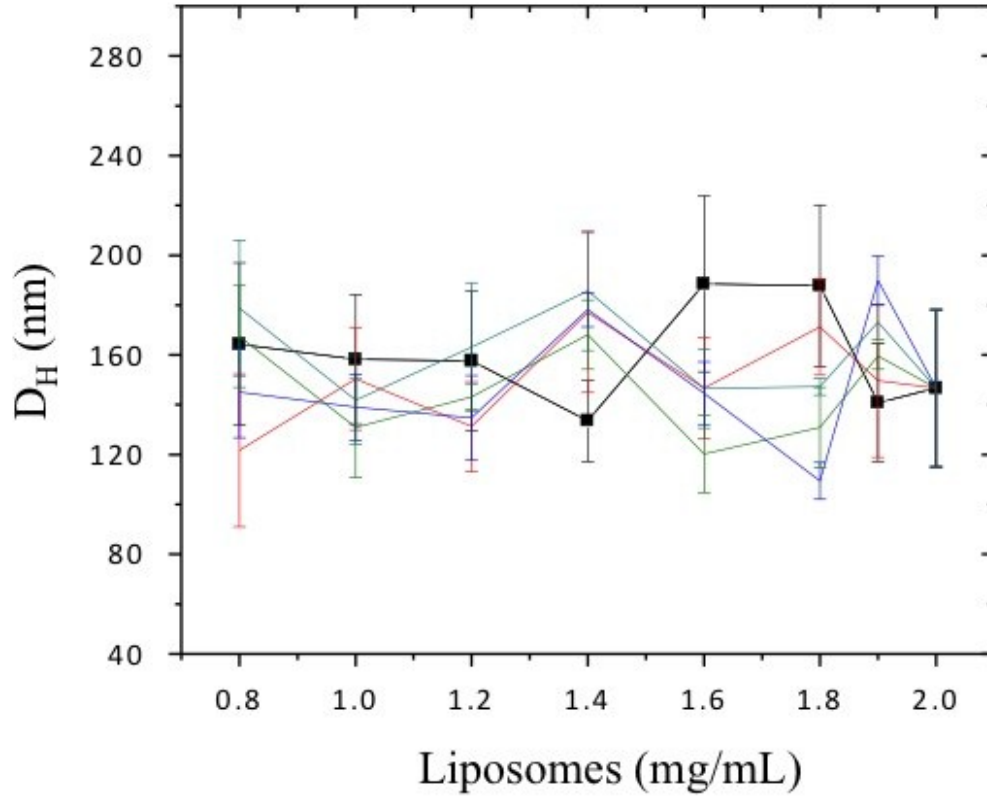
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**S.1.** Confocal observations of a GUV in water at a concentration of 2 mg/mL, with a  $\zeta$ -potential of around -26 mV, a diameter of around 30  $\mu\text{m}$  and a pH of 6.5.



**S.2.**  $D_H$  variation with the liposomes concentration, measured at a constant temperature of 37 °C and a pH=6.5. P104 concentrations: 0.5 mg/mL (black line), 1 mg/mL (red line), 2 mg/mL (dark green line), 3 mg/mL (light green line), 4 mg/mL (blue line) and 5 mg/mL (purple line).