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# Supporting Information

for

# Mechanistic insights into endosomal escape by sodium oleate-modified liposomes

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## Additional figures

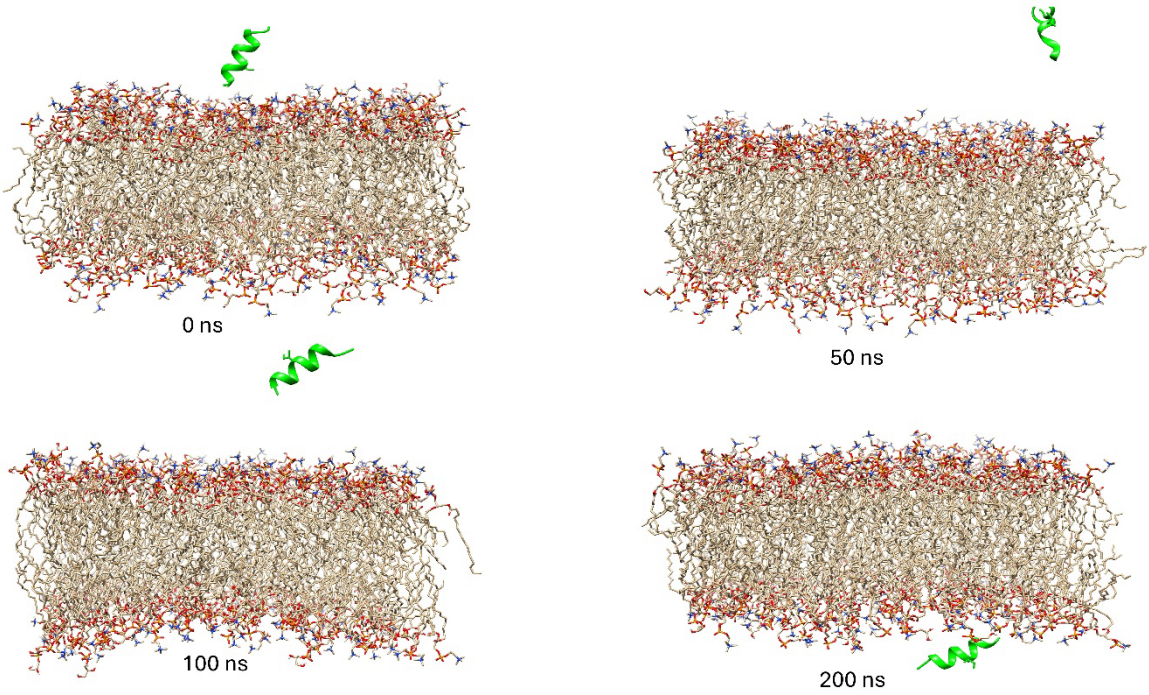


**Figure S1:** MD simulation of the interaction of non-protonated Aurein 1.2 (AUR) peptide with a lipid bilayer. Snapshots show the position of non-protonated AUR relative to the lipid bilayer after 0, 50, 100, and 200 ns.

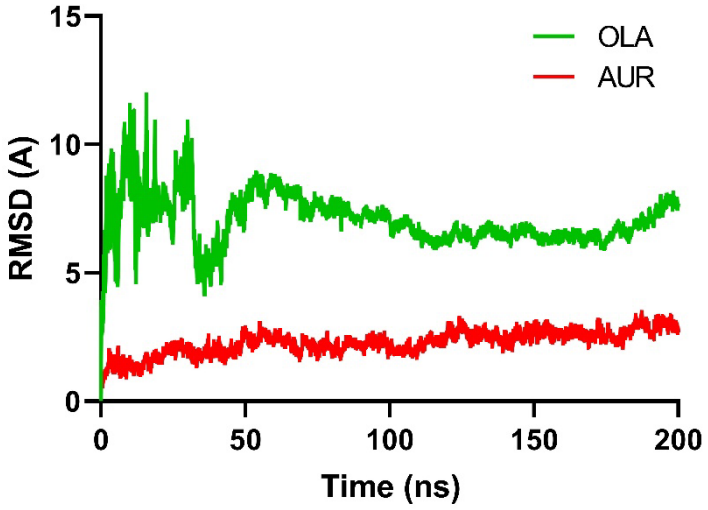


**Figure S2:** RMSD analysis of oleic acid and Aurein 1.2 in lipid bilayers over 200 ns.

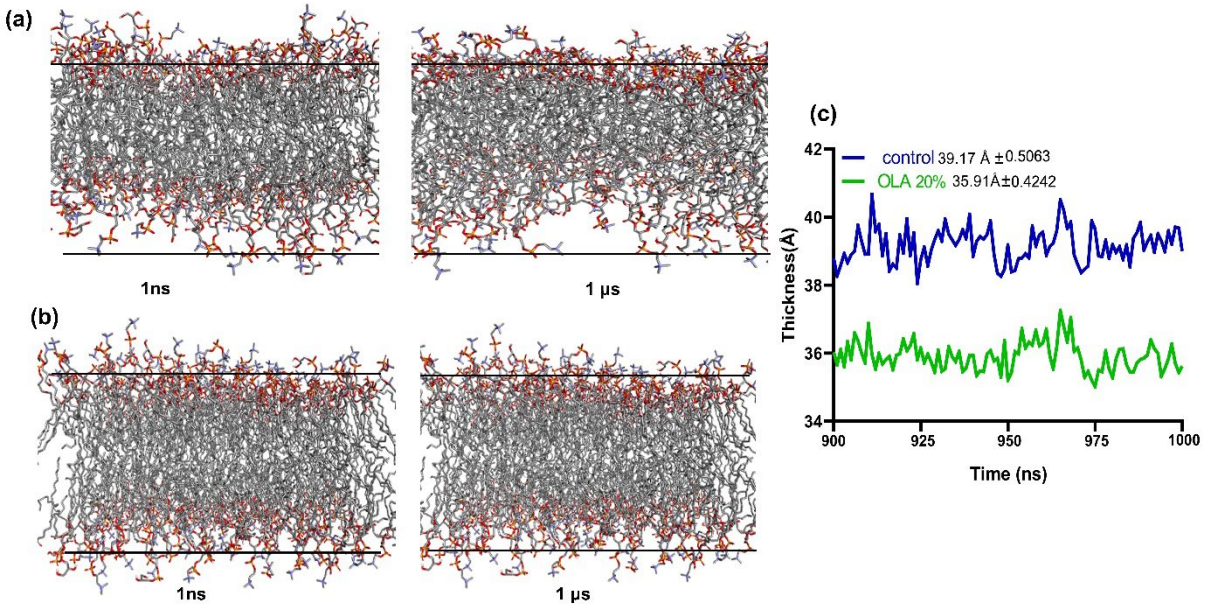


**Figure S3:** Snapshots of membrane systems at 1 ns and 1 µs for (a) control and (b) 20% oleic acid (OLA). (c) Membrane thickness over the final 100 ns of a 1 µs simulation, showing control (blue) and 20% OLA (green) with respective average thickness values of 39.17 ± 0.51 Å and 35.91 ± 0.42 Å.