

## **Supporting Information**

for

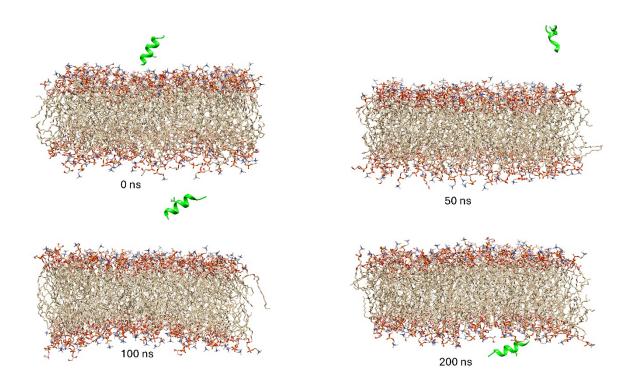
## Mechanistic insights into endosomal escape by sodium oleate-modified liposomes

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Beilstein J. Nanotechnol. 2024, 15, 1667–1685. doi:10.3762/bjnano.15.131

## **Additional figures**

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**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.

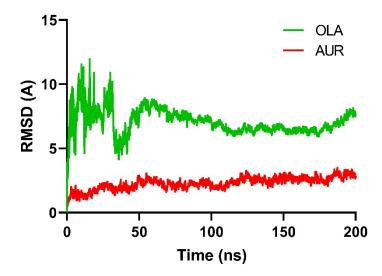
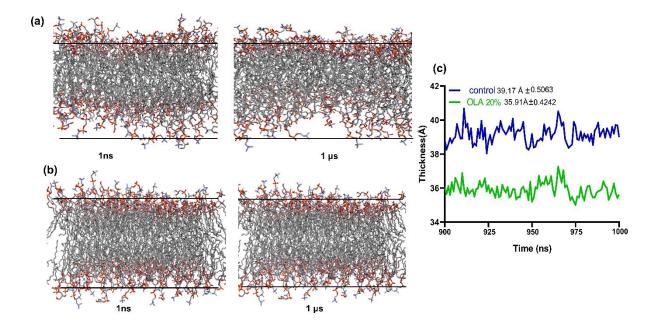


Figure S2: RMSD analysis of oleic acid and Aurein 1.2 in lipid bilayers over 200 ns.



**Figure S3:** Snapshots of membrane systems at 1 ns and 1  $\mu$ s for (a) control and (b) 20% oleic acid (OLA). (c) Membrane thickness over the final 100 ns of a 1  $\mu$ s 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.