

Supporting Information

Effects of Receptor Properties on Particle Internalization through Receptor-mediated Endocytosis

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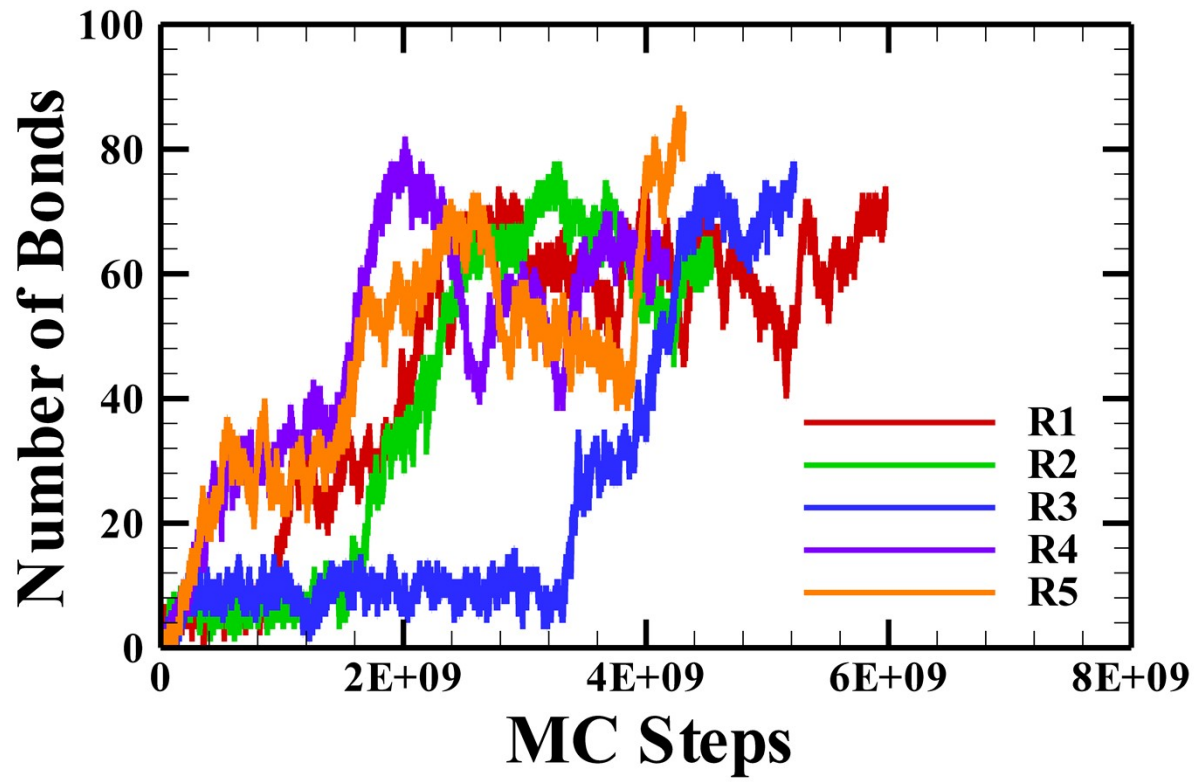


Fig. S1: The number of bonds as a function of MC steps for all five independent realizations for the case when $EI = 20000 \text{ pN.nm}^2$

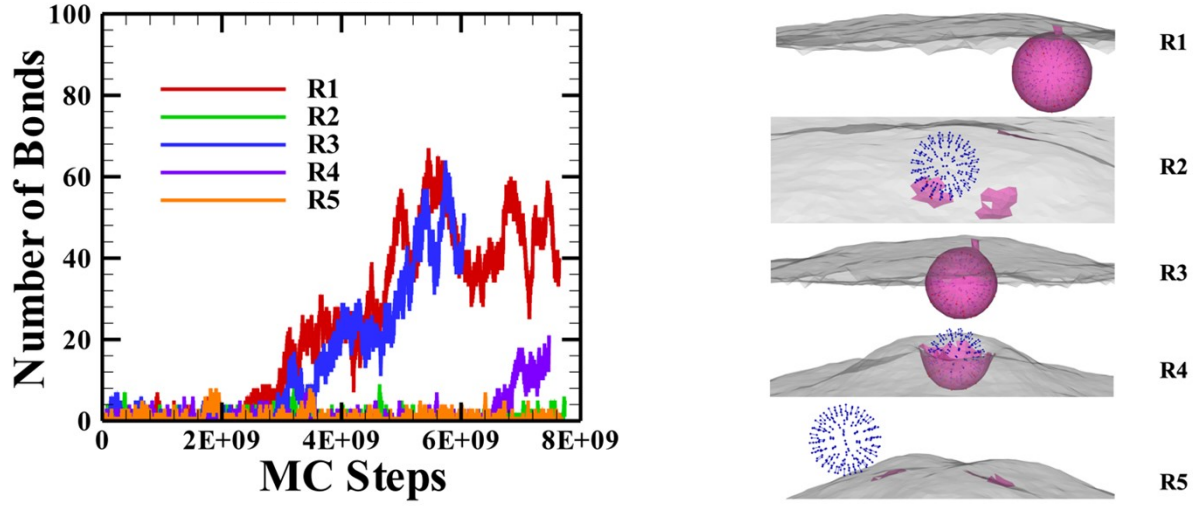


Fig. S2. (a) Number of bonds against MC steps for 5 independent simulations of $EI = 40000 \text{ pN.nm}^2$. (b) The corresponding equilibrium profiles. Among the 5 realizations, 2 simulations (R1 and R3) show complete internalization, 2 simulations (R2 and R5) show no internalization, and 1 simulation (R4) shows partial internalization.

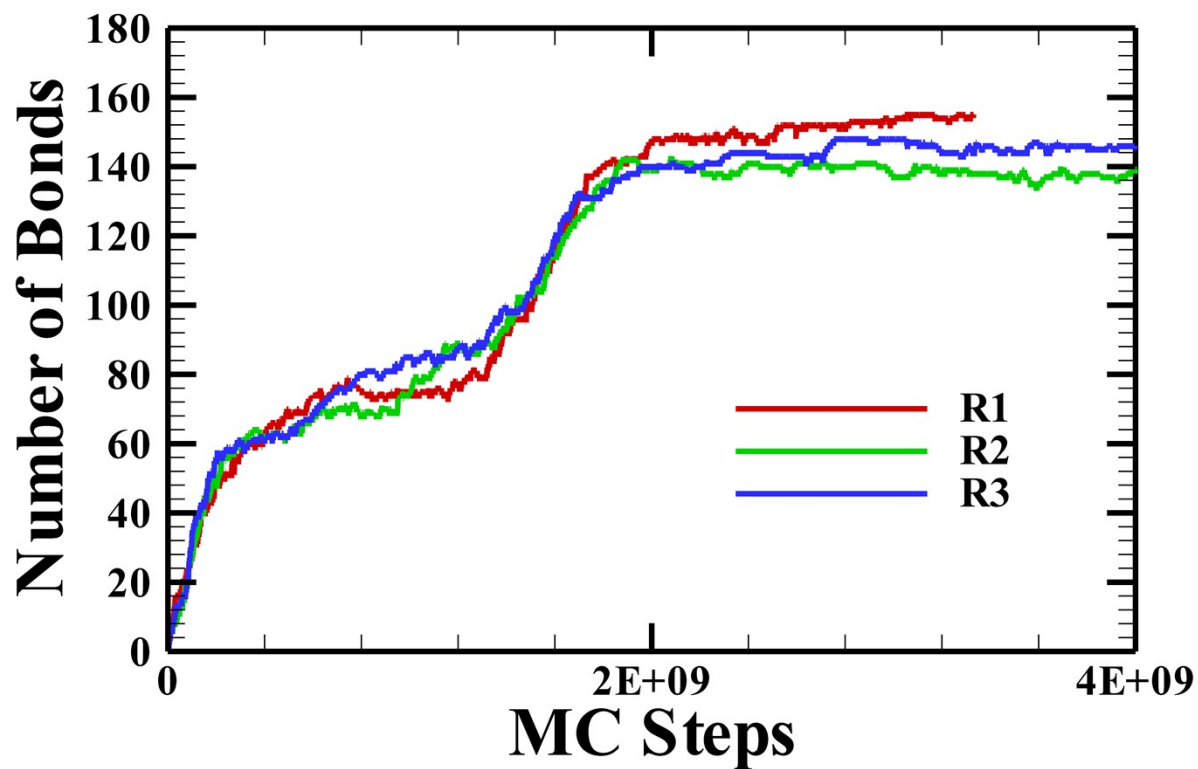


Fig. S3. The number of bonds as a function of MC steps for all three independent realizations for the case of $L_{rec} = 2.3 \text{ nm}$ and $d_c = 0.9 \text{ nm}$ with clathrin.