Supplementary Material

Monolayer/Bilayer equilibrium of Phospholipids in gel or liquid states: Interfacial Adsorption via Monomer or Liposome diffusion?

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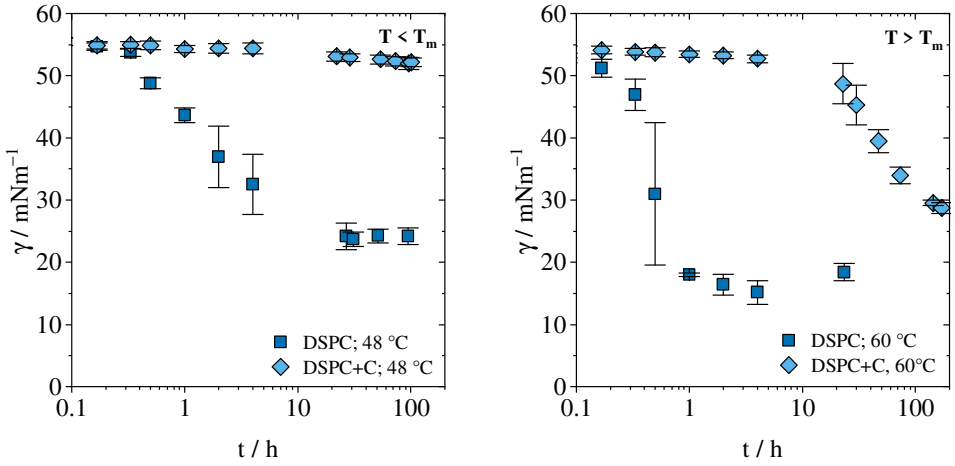
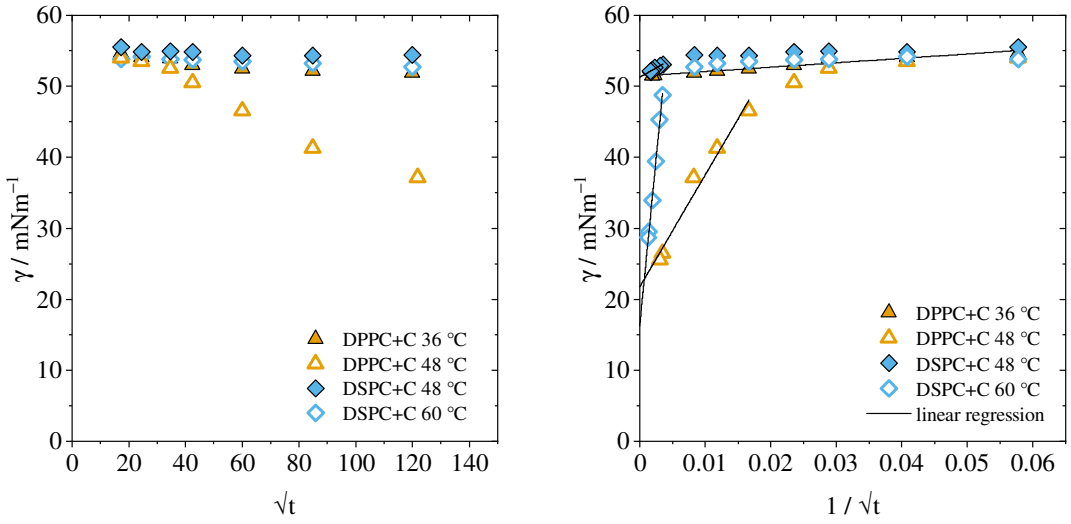


(a) (b)

Figure S1: Interfacial tension γ as a function of time t in dependence of the temperature for the pure phospholipid DSPC and in a mixture with cholesterol (DSPC+C = 60:40 mol-%) at a concentration of 0.1 mM. (a) Evolution towards the quasi-equilibrium γ_ε below the transition temperature of DSPC. (b): Evolution towards the quasi-equilibrium γ_ε above the transition temperature of DSPC.



(a) (b)

Figure S2: (a) Plot of interfacial tension γ(t) versus $\sqrt{t}$ to determine the diffusion coefficient of the mixtures DPPC+C and DSPC+C below and above the transition temperature at a concentration of 0.1 mM. (b) plot of interfacial tension γ(t) vs. $1/\sqrt{t}$ to determine the equilibrium interfacial tension by extrapolation for the mixture DPPC+C and DSCP+C below and above the transition temperature, respectively, at a concentration of 0.1 mM each.