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**Author:** Wel, Casper van der  
**Title:** Lipid mediated colloidal interactions  
**Date:** 2017-10-05
Propositions
accompanying the thesis Lipid mediated colloidal interactions

I
Nanometer precision in particle tracking does not warrant nanometer accuracy.
*Chapter 2 of this thesis.*

II
To measure a force profile experienced by a single random walker, displacements rather than positions should be sampled.
*Chapter 3 of this thesis.*

III
Membrane-deforming proteins interact via membrane-mediated forces.
*Chapter 5 of this thesis.*

IV
Lipid membranes promote microparticle aggregation.
*Chapter 6 of this thesis.*

V
Microemulsion droplets of 3-(trimethoxysilyl)propyl methacrylate are not purely liquid.
*Chapter 8 of this thesis.*

VI
The tension of a lipid vesicle, as described by Evans et al., should not be confused with surface tension.
*E. Evans and W. Rawicz, Physical Review Letters 64:2094 (1990).*

VII
In light of the review by Cole et al., more research into the toxicity of micron-sized polymer particles is required to direct policy about their presence in consumer products.

VIII
Contrary to what has been reported by Kügler et al., the homogeneous fluidity of polyelectrolyte supported lipid bilayers is not reproducible.
*R. Kügler and W. Knoll, Bioelectrochemistry 56:175 (2002).*

IX
Contrary to what has been suggested in the below publications, only bulk syntheses are viable to generate amounts of anisotropic colloidal particles sufficient for practical use.

X
Timing is the fundament of music and musicality.

Leiden, October 5, 2017