This thesis is partially based on the following original publications:

**Chapter 2:**

C. Gögelein, G. Nägele, R. Tuinier, T. Gibaud, A. Stradner, and P. Schurtenberger,
A simple patchy colloidal model for the phase behaviour of lysozyme dispersions,

**Chapter 3:**

C. Gögelein and R. Tuinier,
Phase behaviour of a dispersion of charge-stabilised colloidal spheres with added non-adsorbing interacting polymer chains,

**Chapter 4:**

C. Gögelein, G. Nägele, J. Buitenhuis, R. Tuinier and J. K. G. Dhont,
Polymer depletion-driven cluster aggregation and demixing in charge-stabilised colloidal dispersions,
(in preparation).

Other publications by the author of this thesis:

T. Blochowicz, C. Gögelein, T. Spehr, M. Müller, and B. Stühn,
Polymer-induced transient networks in water-in-oil microemulsions studied by small-angle x-ray and dynamic light scattering,