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<sup>2</sup>Published in slightly modified form in: L. Chiappisi, I. Hoffmann, M. Gradzielski, Complexes of oppositely charged polyelectrolytes and surfactants - recent developments in the field of biologically derived polyelectrolytes, *Soft Matter*, 9 (2013) 3896-3909 and M. Gradzielski, I. Hoffmann, Polyelectrolyte-surfactant complexes (PESCs) composed of oppositely charged components, *Curr. Opin. Colloid Interface Sci.*, 35 (2018) 124-141

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<sup>4</sup>Published in slightly modified form in: I. Hoffmann, M. Simon, B. Farago, R. Schweins, P. Falus, O. Holderer, M. Gradzielski, Structure and dynamics of polyelectrolyte surfactant mixtures under conditions of surfactant excess, *J. Chem. Phys.*, 145 (2016) 124901. Reprinted with the permission of AIP Publishing.

<sup>5</sup>Published in slightly modified form in: I. Hoffmann, M. Simon, M. Bleuel, P. Falus, M. Gradzielski, Structure, Dynamics, and Composition of Large Clusters in Polyelectrolyte-Surfactant Systems, *Macromolecules*, 52 (2019) 2607-2615. This is an unofficial adaptation of an article that appeared in an ACS publication. ACS has not endorsed the content of this adaptation or the context of its use.

<sup>6</sup>Published in slightly modified form in: G. R. Del Sorbo, S. Prévost, E. Schneck, M. Gradzielski, I. Hoffmann, On the mechanism of shear-thinning in viscous oppositely charged polyelectrolyte surfactant complexes (PESCs), *J. Phys. Chem. B*, 124 (2020) 909-913

<sup>7</sup>This chapter is based on an unpublished paper draft which was also the basis for a manuscript currently in preparation by O. Kuzminskaya which uses new data from similar samples but arrives at similar conclusions.

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<sup>8</sup>Published in slightly modified form in: I. Hoffmann, P. Malo de Molina, B. Farago, P. Falus, C. Herfurth, A. Laschewsky, M. Gradzielski, Dynamics of microemulsions bridged with hydrophobically end-capped star polymers studied by neutron spin-echo, *J. Chem. Phys.*, 140 (2014) 034902. Reprinted with the permission of AIP Publishing.

<sup>9</sup>Published without the simulations in slightly modified form in: M. Simon, M. Gradzielski, I. Hoffmann, Dynamics in polyelectrolyte/microemulsion complexes, *Nanoscale Adv.*, 2 (2020) 4722-4727

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