Electronic Supplementary Material (ESI) for Soft Matter.

Supplementary Information to

Aβ Self-Association and Adsorption on a Hydrophobic Nanosurface: Competitive Effects and the Detection of Small Oligomers via Electrical Response

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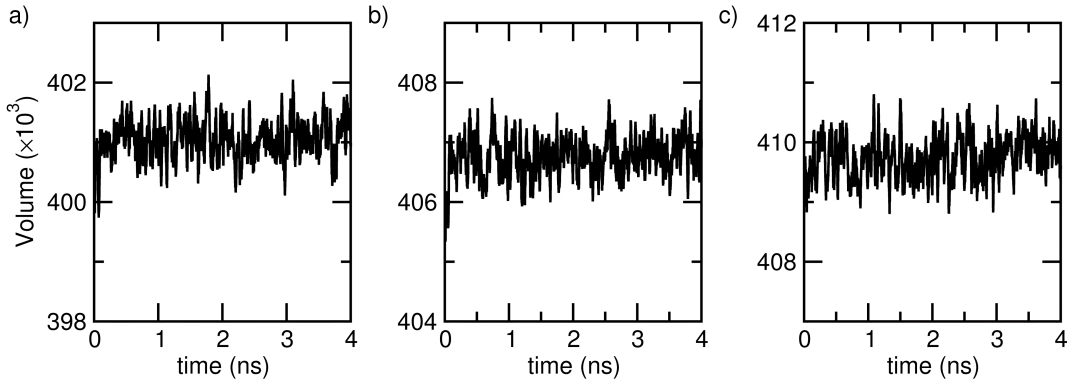

Figure S1. Time evolution of the volume of the simulated box (Å^3) in surface adsorbed a) monomeric, b) dimeric, c) trimeric systems during equilibration in the presence of KCl ions, prior to the application of electric field.

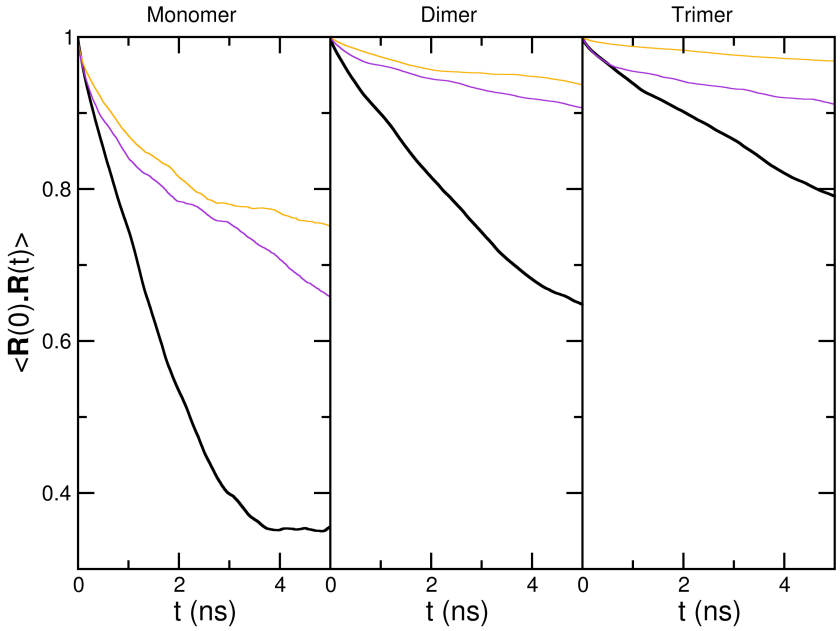

Figure S2. Rotational time correlation functions, $< \boldsymbol{R}(0)\cdot\boldsymbol{R}(t) >$, of the unit vector $\boldsymbol{R}(t)$, joining the C_α atoms of the first and the last residues of the Aβ units, in the monomeric, dimeric and trimeric systems. Data for the free systems are shown in black; for the SWCNT surface adsorbed systems in orange; and for the surface adsorbed systems in the presence of a potential difference of 2.25 Volts in purple. For the dimeric and trimeric systems, the time correlation functions have been averaged over the multiple peptide units.