**Supplementary Materials**

**On the Structural and Molecular Properties of PEO and PEO-PPG Functionalized Chitosan Nanoparticles for Drug Delivery**

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Figure S1. a) Size distribution histogram calculated from TEM data (inset shows a TEM image), b) a HRTEM image and c) a FFT of the region delineated by the rectangle shown in b) of sample CNP-0.5%; d) size distribution histogram and a corresponding a TEM image shown in the inset, e) a HRTEM image and f) a FFT of the region outlined by the rectangle in e) of sample 1% CNP-PEO.



Figure S2. FTIR spectra measured from the CNP-1.0% and CNP-0.5% samples indicating negligible concentration dependence.