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Novel layer-by-layer self-assembled peptide nanocarriers for SiRNA delivery

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Electronic Supplementary Information

Supplementary Methods

Urea test: To determine the effect of H-bond on self-assembly of FFANPs, urea test was performed. The self-assembled nanoparticles were dispersed in 5 M urea solution and incubated for 24 hours. At the end of the incubation period, the morphology of FFANPs were examined by SEM and the effect of urea was evaluated.

Supplementary Figures

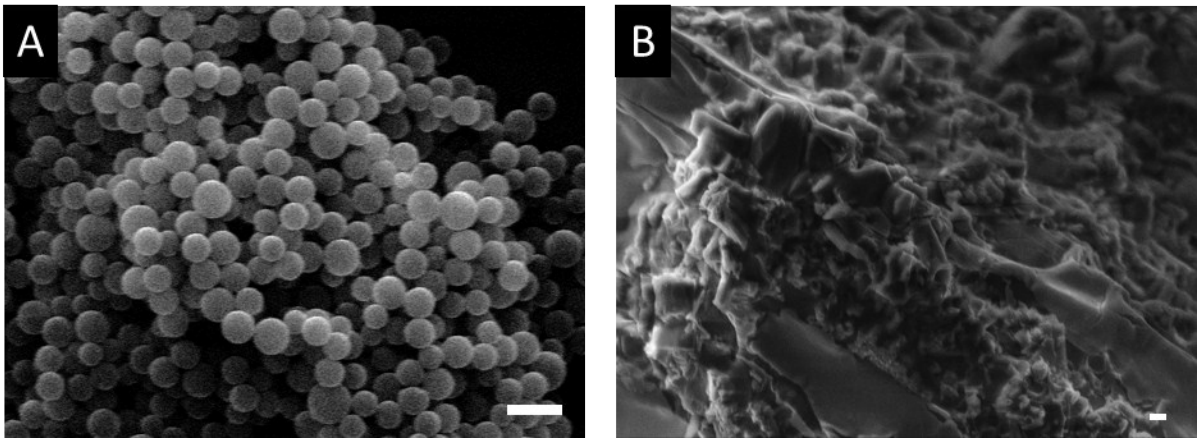

Fig. S1: SEM images of FFANPs (A) before and (B) after Urea test (Scale bars show 1 µm).

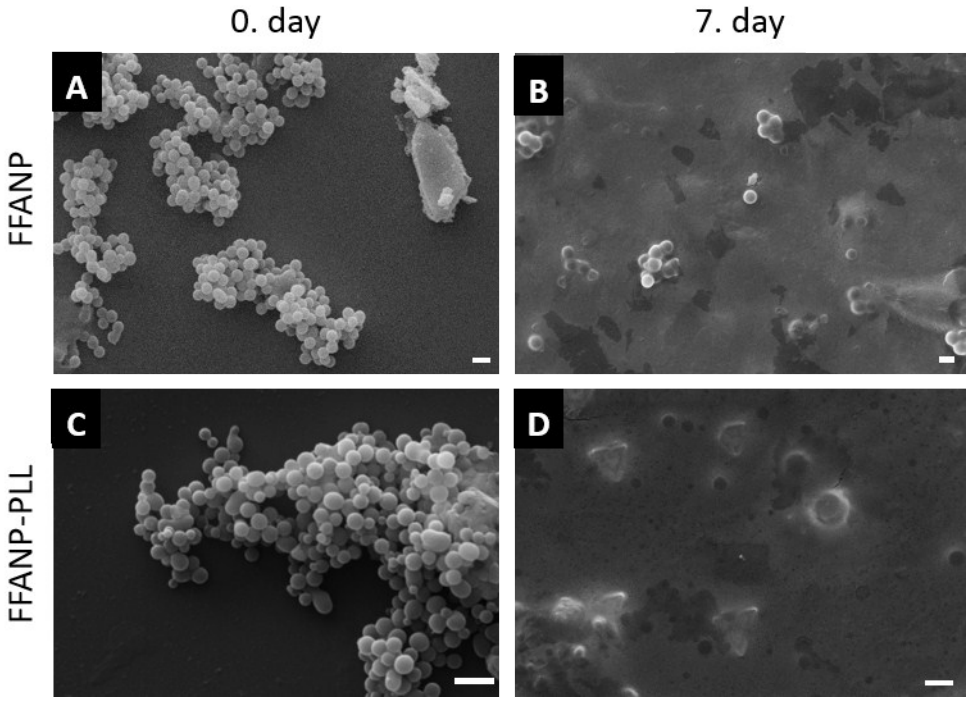

Fig. S2: SEM images of nanoparticles treated with trypsin enzyme. FFANPs at 0. (A) and 7. (B) day; FFANP-PLL at 0. (C) and 7. (D) day of the treatment (scale bars show 1 µm).

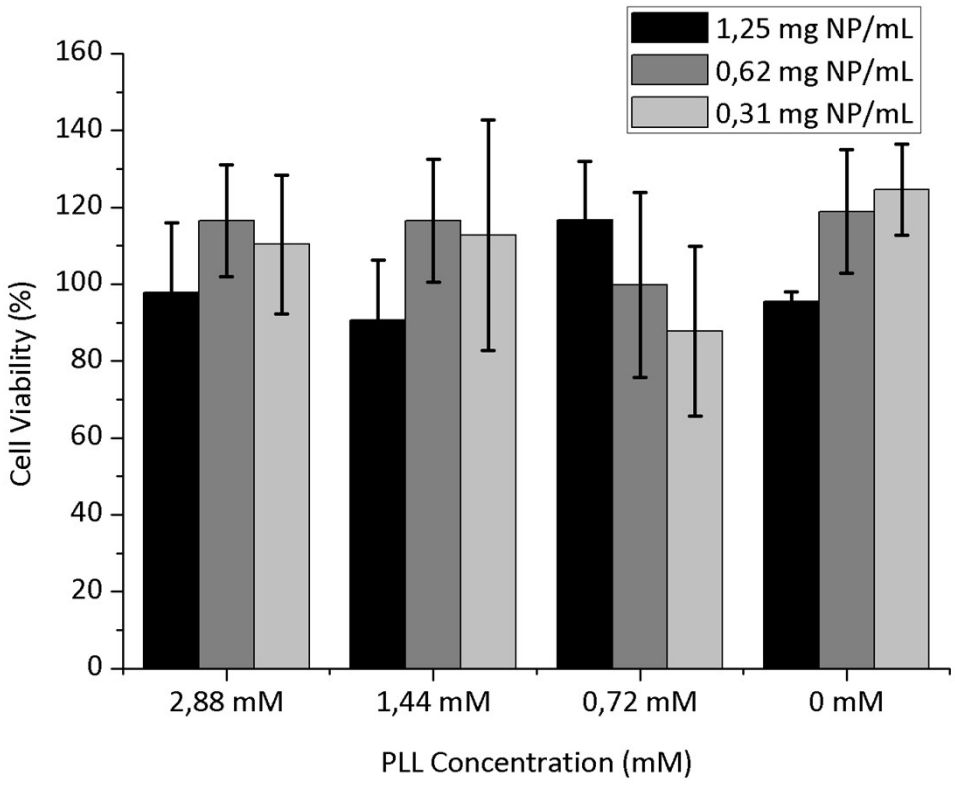

Fig S3. Cytotoxic effect of different PLL adsorbed FFANPs on BT-474.