A ‘smart’ approach towards the formation of multifunctional nano-assemblies by simple mixing of block copolymers having a common temperature sensitive segment

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Scheme S1. Synthesis of (A) P(NIPAAm-co-HMAAm)-b-P(NIPAAm-co-BMAAm), (B) PEO-b-P(NIPAAm-co-BMAAm), and (C) PLAMA-b-P(NIPAAm-co-HMAAm)-b-P(NIPAAm-co-BMAAm).
Figure S1. $^1$H NMR spectra of (A) P(NIPAAm$_{112}$-co-HMAAm$_{14}$)-b-P(NIPAAm$_{54}$-co-BMAAm$_{12}$), (B) PEO$_{113}$-b-P(NIPAAm$_{85}$-co-BMAAm$_{19}$), and (C) PLAMA$_2$-b-P(NIPAAm$_{79}$-co-HMAAm$_{35}$)-b-P(NIPAAm$_{28}$-co-BMAAm$_6$).

Figure S2. Temperature-dependent behavior of 0.1 w/v% (total concentration) aqueous solution of the prepared micelle of P(NIPAAm$_{112}$-co-HMAAm$_{14}$)-b-P(NIPAAm$_{54}$-co-BMAAm$_{12}$) and PEO$_{113}$-b-P(NIPAAm$_{85}$-co-BMAAm$_{19}$) separately.