Multilayered hollow nanostructures from self-assembled supramolecular metallo-triblock copolymers

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Supporting Information

Figure S1. $^1$H NMR spectrum of CTA, 1 in CDCl$_3$.

Figure S2. $^{13}$C NMR spectrum of CTA, 1 in CDCl$_3$. 
Figure S3. $^1$H NMR spectrum of CTA, 1 plus 1.05 equiv. of palladium(II) in CDCl$_3$.

Figure S4. $^1$H NMR spectrum of complex shown with 1.1 equiv. of pyridine in CDCl$_3$. 
Figure S5. GPC RI trace for polymer 3a run in THF.

Figure S6. Tapping mode AFM images of nanocages 11
Figure S7. $^1$H NMR spectrum of triblock, 8 in DMSO-d$_6$ showing key signal for pyridine unit upon metal complexation at 8.3 ppm.

Figure S8. $^{13}$C NMR spectrum of diblock, 3 in CDCl$_3$ showing key signal for trithiocarbonate at 221 ppm.
Figure S9. $^{13}$C NMR spectrum of end capped diblock, 4 in CDCl$_3$ showing the loss of the trithiocarbonate signal at 221 ppm.

Figure S10. $^1$H NMR spectrum of Pd complexed amphiphilic diblock, 6 in DMSO-d$_6$ showing key signal for pincer unit after metal complexation and deprotection at 4.8 ppm.
Figure S11. Negative images are shown for clarity; a) Unstained TEM image of 10 (scale bar = 100 nm) b) PTA stained TEM image of 10 (scale bar = 100 nm) c) Uranyl acetate stained TEM image of 10 (scale bar = 100 nm)

Figure S12. PTA stained TEM image of 11 (scale bar = 200 nm) (Positive image are shown for clarity)