

## **Supplementary Information**

### **Functional Sandwich-like Organic/Inorganic Nanoplates from Gelable Triblock**

#### **Terpolymers**

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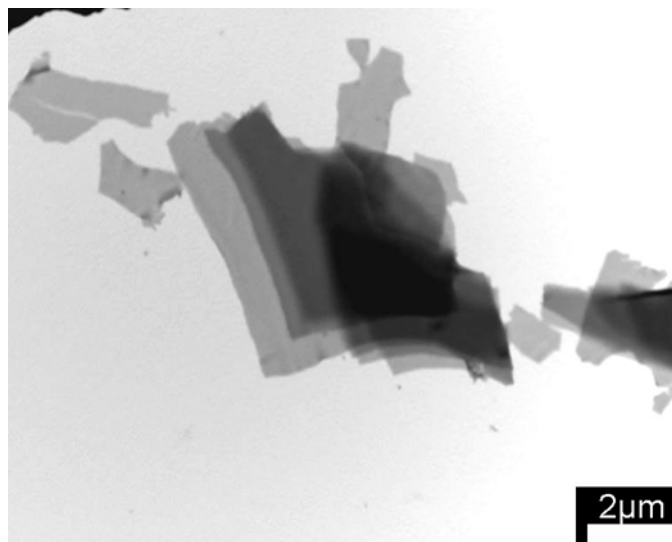


Figure S1. TEM micrograph of the hybrid plates obtained by dispersing the gelated PTEPM<sub>58</sub>-*b*-PS<sub>265</sub>-*b*-P2VP<sub>331</sub> bulk samples in water (pH = 2) after a pH cycle.

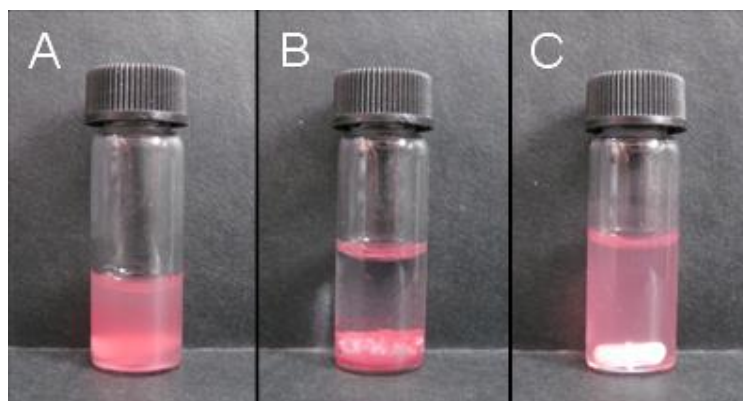


Figure S2. Photographs of the pH responsive nanoplates formed by PTEPM<sub>58</sub>-*b*-PS<sub>265</sub>-*b*-P2VP<sub>331</sub> loaded with gold nanoparticles at (A) pH = 2, (B) pH = 10 and (C) pH = 2.

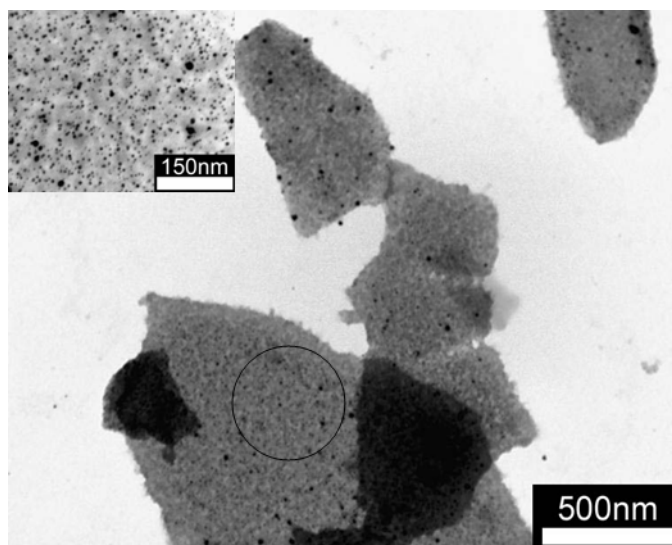


Figure S3. TEM micrograph of the hybrid plates formed by PTEPM<sub>58</sub>-*b*-PS<sub>265</sub>-*b*-P2VP<sub>331</sub> loaded with gold nanoparticles dispersed in water (pH = 2) after a pH cycle. The inset is the magnification of circled area.

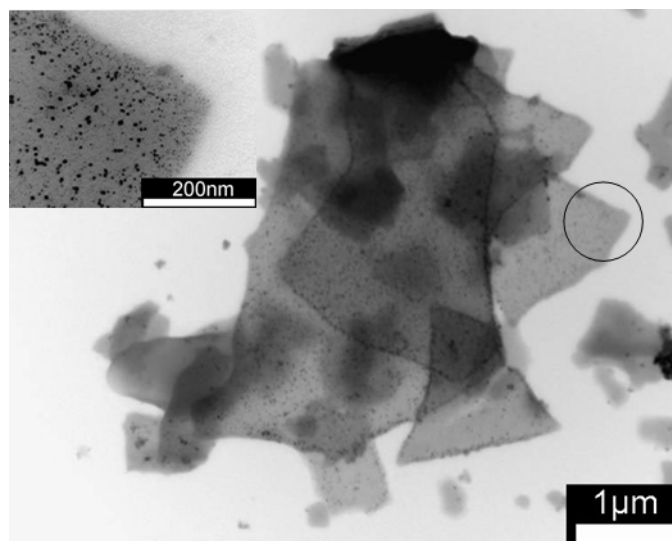


Figure S4. TEM micrographs of the hybrid nanoplates formed by PTEPM<sub>58</sub>-*b*-PS<sub>265</sub>-*b*-P2VP<sub>331</sub> loaded with gold nanoparticles dispersed in THF. Inset is magnification of circled area.

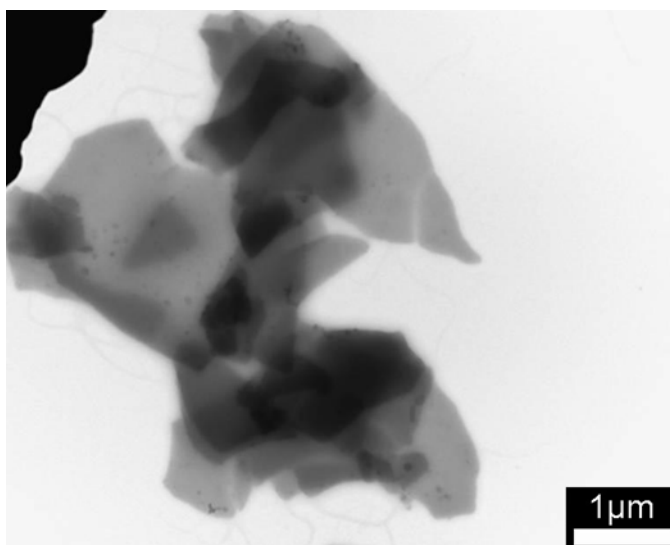


Figure S5. TEM micrograph of the hybrid plates of PTEPM<sub>58</sub>-*b*-PS<sub>265</sub>-*b*-P2VP<sub>331</sub> modified with 1-bromohexane in CHCl<sub>3</sub>.

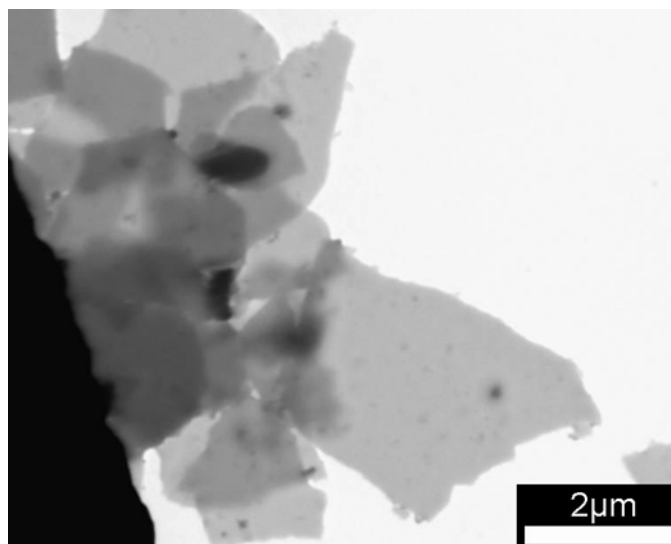


Figure S6. TEM micrograph of the hybrid plates of PTEPM<sub>58</sub>-*b*-PS<sub>265</sub>-*b*-P2VP<sub>331</sub> modified with 1-capric acid complexation in CHCl<sub>3</sub>.