Simultaneous inhibition of planktonic and biofilm bacteria by self-adapting semiconducting polymer dots

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**Fig. S1** Hydrodynamic diameter of PFO/PSMA-NA/PSMA-AAPBA measured by DLS.

**Fig. S2** Adhesion activity to *P. aeruginosa* observed through CLSM when treated with PFO/PMSA-NA/PMSA-AAPBA (A) and PFO/PMSA-NA (B) for 30 min at different pH values, respectively.
Fig. S3 Biocompatibility of Pdots: the cell viability of Hela cells after being treated with Pdots (A); hemolytic activity investigation of Pdots (B).

Fig. S4 The CLSM images of Hela cells after being treated with PFO/PMSA-NA/PMSA-AAPBA (A) and PFO/PMSA-NA (B) for 30 min at different co-cultured periods.
Fig. S5 Antibacterial activity of Pdots against *P. aeruginosa*.