Supporting Information

Highly Stable Semiconducting Polymer Nanoparticles for Multi-Responsive Chemo/Photothermal Combined Cancer Therapy

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Figure S1. DLS data and TEM image (inset) of PDPP3T@PSNiAA NPs.
Figure S2. The UV spectra of PDPP3T NPs and PDPP3T@PNIPAMAA IPNs.

Figure S3. The zeta potential of PDPP3T@PNIPAMAA IPNs.
Figure S4. The photograph and DLS data of PDPP3T@PNIPAMAA IPNs in PBS, Tris-HCl, DMEM and 10% FBS+90% DMEM for 14 days.

Figure S5. The UV spectra of PDPP3T@PNIPAMAA IPNs for 30 days.
**Figure S6.** The photograph of PDPP3T@PNIPAMAA IPNs redispersed in aqueous solution after centrifugation.

**Figure S7.** *Ex vivo* PA intensity in various tissues from xenografted BALB/c nude mice before/after injection with PDPP3T@PNIPAMAA IPNs (**p<0.01**).

**Figure S8.** Cytotoxicity of HeLa cells evaluated by MTT assay after incubated with free DOX.
| Tissue    | Saline Laser (-) | Saline Laser (+) | PDPP3T@PNIPAMAA IPNs Laser (-) | PDPP3T@PNIPAMAA-DOX Laser (-) | PDPP3T@PNIPAMAA-DOX Laser (+) |
|-----------|------------------|------------------|-------------------------------|-------------------------------|-------------------------------|
| Heart     | ![Heart Image]   | ![Heart Image]   | ![Heart Image]                | ![Heart Image]                | ![Heart Image]                |
| Liver     | ![Liver Image]   | ![Liver Image]   | ![Liver Image]                | ![Liver Image]                | ![Liver Image]                |
| Spleen    | ![Spleen Image]  | ![Spleen Image]  | ![Spleen Image]               | ![Spleen Image]               | ![Spleen Image]               |
| Lung      | ![Lung Image]    | ![Lung Image]    | ![Lung Image]                 | ![Lung Image]                 | ![Lung Image]                 |
| Kidney    | ![Kidney Image]  | ![Kidney Image]  | ![Kidney Image]               | ![Kidney Image]               | ![Kidney Image]               |

**Figure S9.** H&E analyses of major organ tissues.