

Supplementary Information

**Dual-Targeting Tumor and Subcellular Endoplasmic Reticulum via
AgPPIX-based Janus Nanoparticles for
Photodynamic/Immunotherapy of Triple-negative Breast Cancer**

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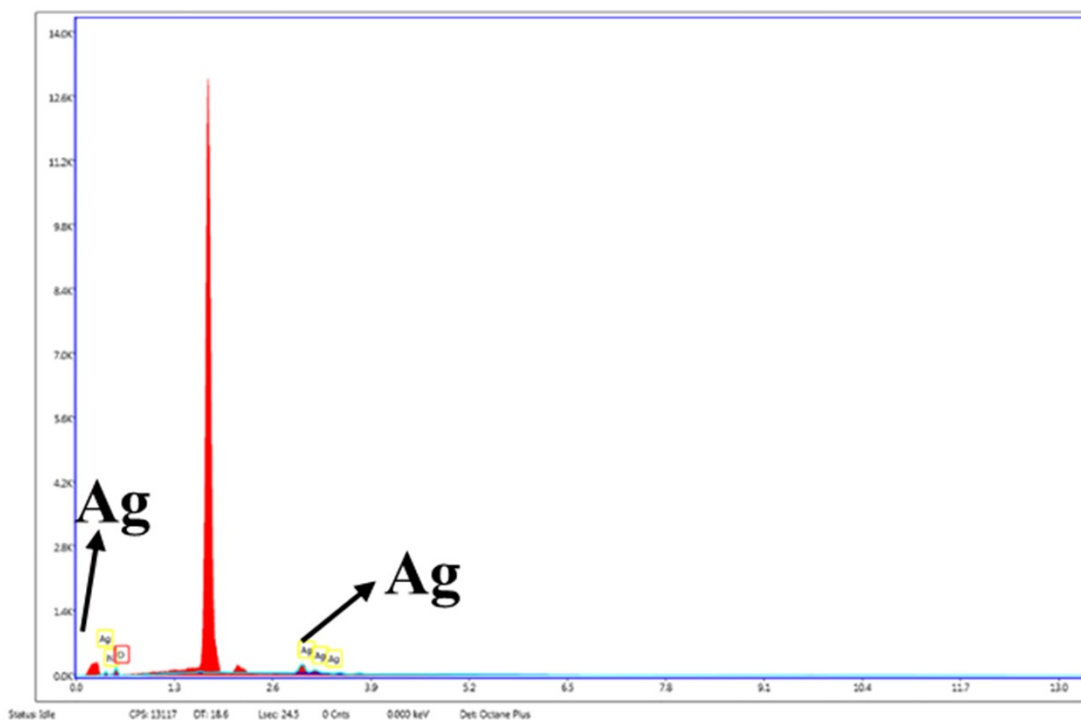


Figure S1. EDS result of PAPA.

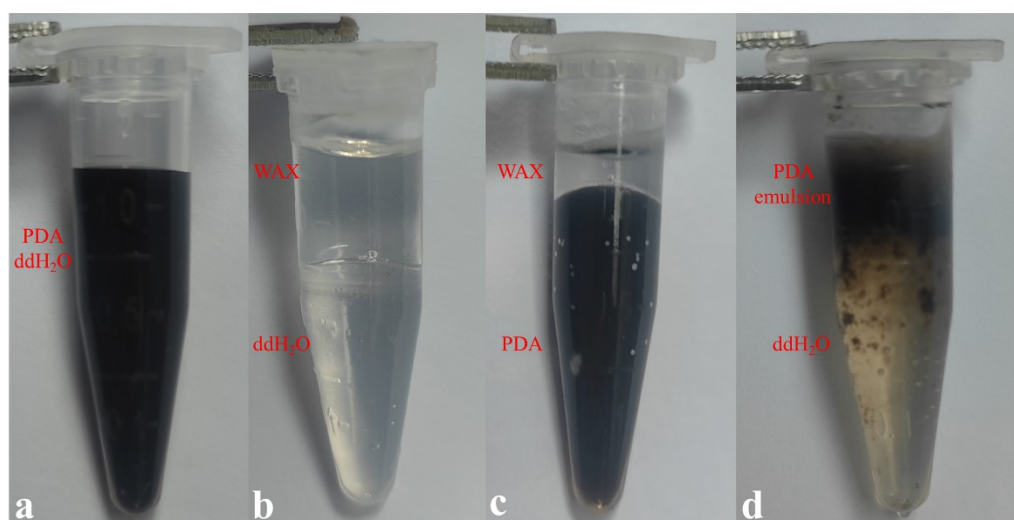


Figure S2. The preparation of Pickering emulsions. (a) the PDA NPs suspensions; (b) the physical mixture of paraffin and water; (c); the physical mixture of paraffin and PDA NPs suspensions (d) the Pickering emulsions of paraffin and PDA NPs.

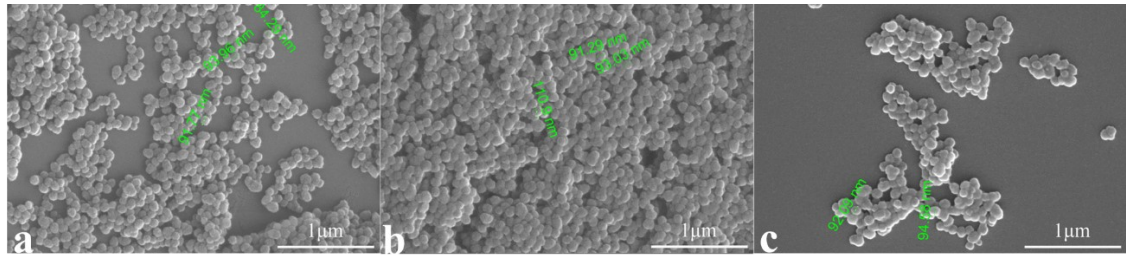


Figure S3. SEM image of synthesized NPs. (a) SEM of PA; (b) SEM of PAP; (c) SEM of PAC. Scale bar: 1 μm.

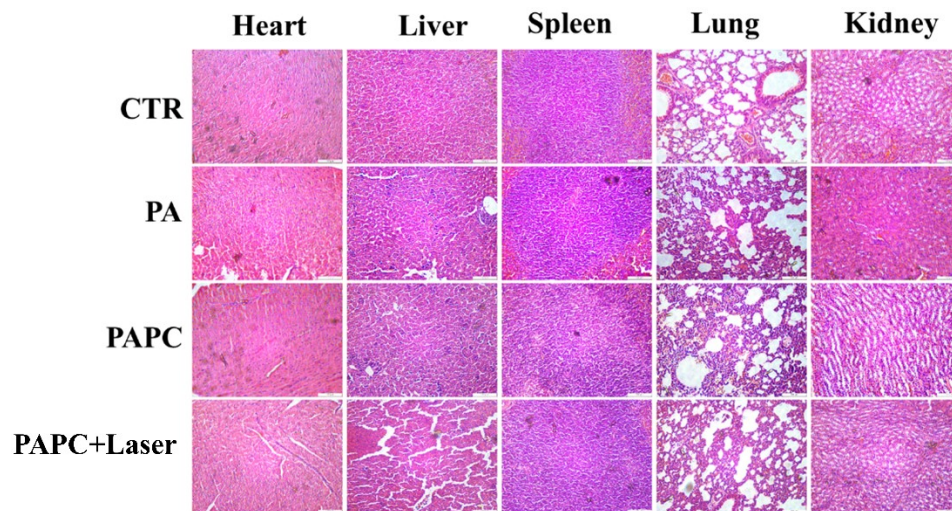


Figure S4. The histologic section of heart, live, spleen, lung, kidney with H&E staining after treated by saline, PA, PAPC without laser and PAPC with laser. Scale bar: 500 μm.

Table. S1. IC50 of AgPPIX, PA, PAP, PAC and PAPC (Without Laser; With Laser).

Nanomedicine	Without Laser (IC50)	With Laser (IC50)
AgPPIX	56.18 $\mu\text{g/mL}$	65.38 $\mu\text{g/mL}$
PA	45.10 $\mu\text{g/mL}$	37.81 $\mu\text{g/mL}$
PAP	44.44 $\mu\text{g/mL}$	35.32 $\mu\text{g/mL}$
PAC	37.79 $\mu\text{g/mL}$	25.09 $\mu\text{g/mL}$
PAPC	22.96 $\mu\text{g/mL}$	16.55 $\mu\text{g/mL}$