

Supporting Information

Multifunctional Gold Nanorods for Selective Plasmonic Photothermal Therapy in Pancreatic Cancer Cells Using Ultra-Short Pulse Near-Infrared Laser Irradiation

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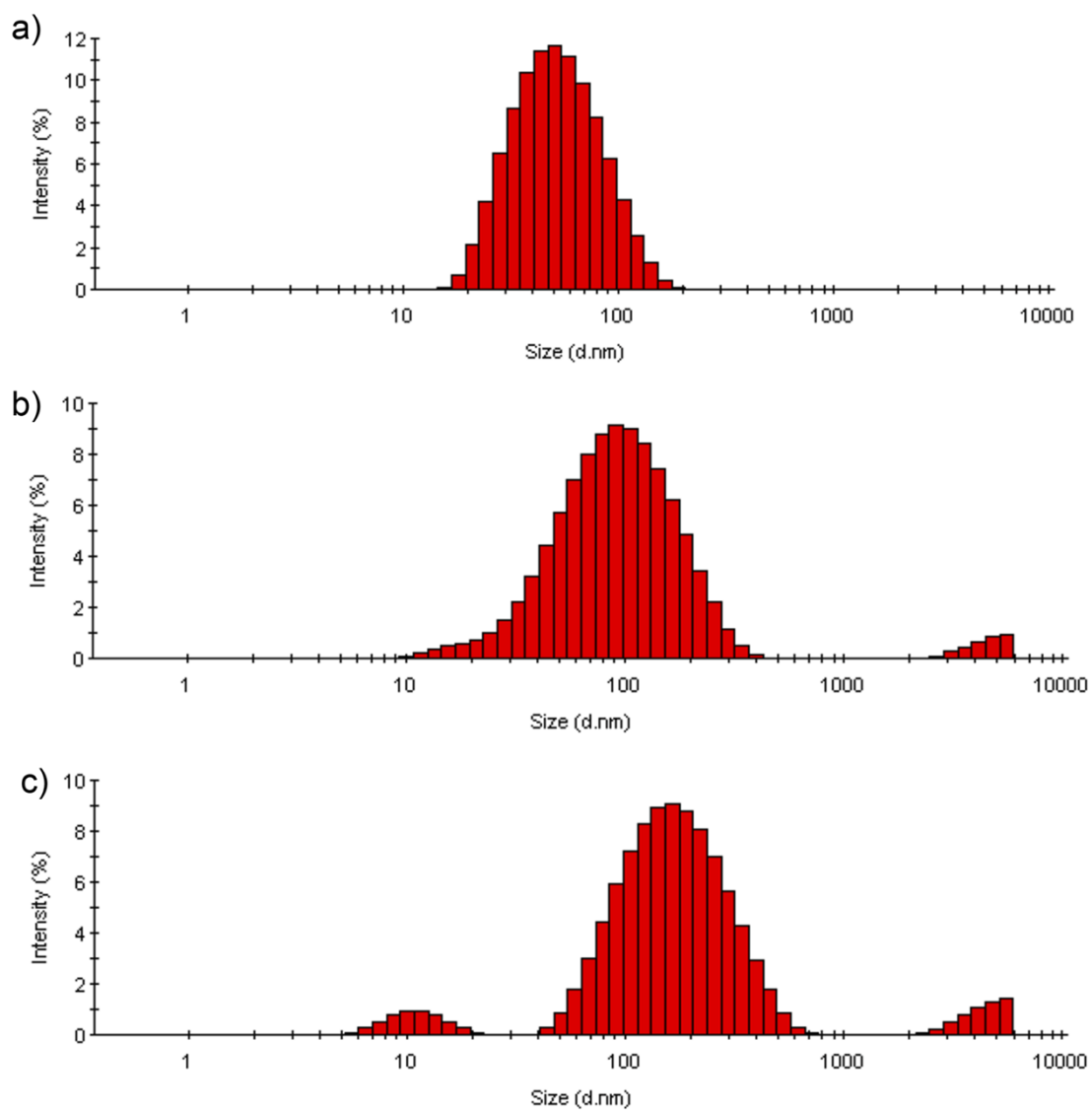


Fig. S1. Size distribution histograms of hydrodynamic diameter (measured by DLS) of CTAB stabilized AuNRs (a), Biotin-PEG-Thiol functionalized AuNRs (b), and TR-AV functionalized AuNRs (c).

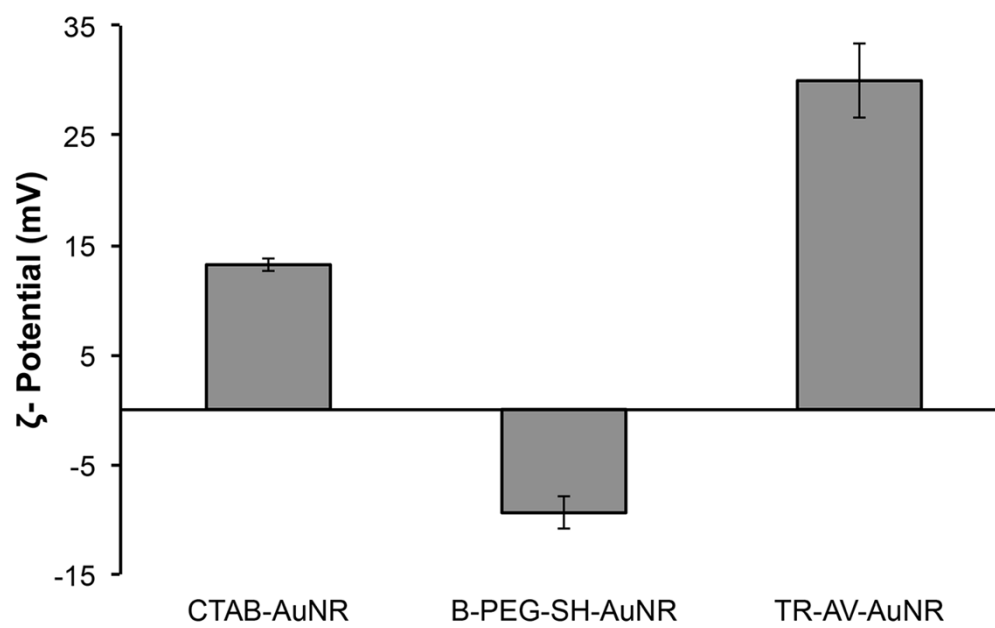


Fig.S2. ζ-potential of functionalized- and CTAB-stabilized AuNRs.

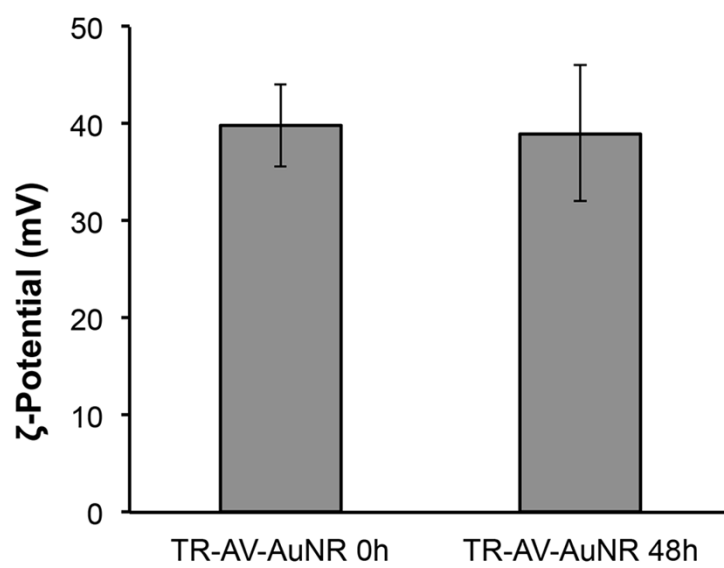


Fig. S3. ζ-potential of TR-AV functionalized AuNRs after 48h of storage at 4°C.

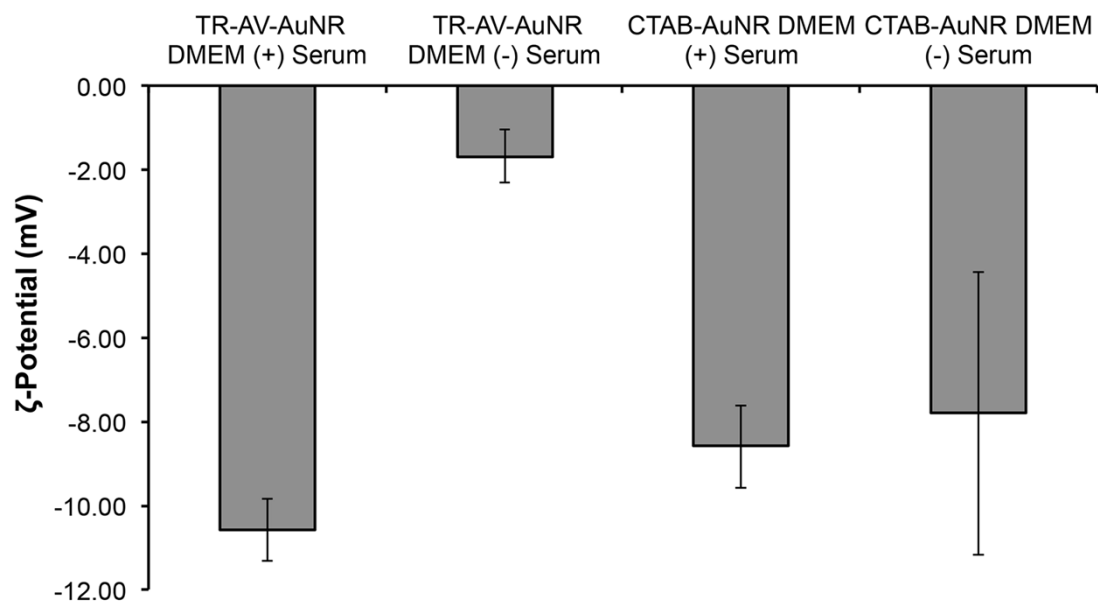


Fig. S4. ζ-potential of TR-AV functionalized AuNRs and AuNRs stabilized with CTAB resuspended in DMEM either with or without serum.

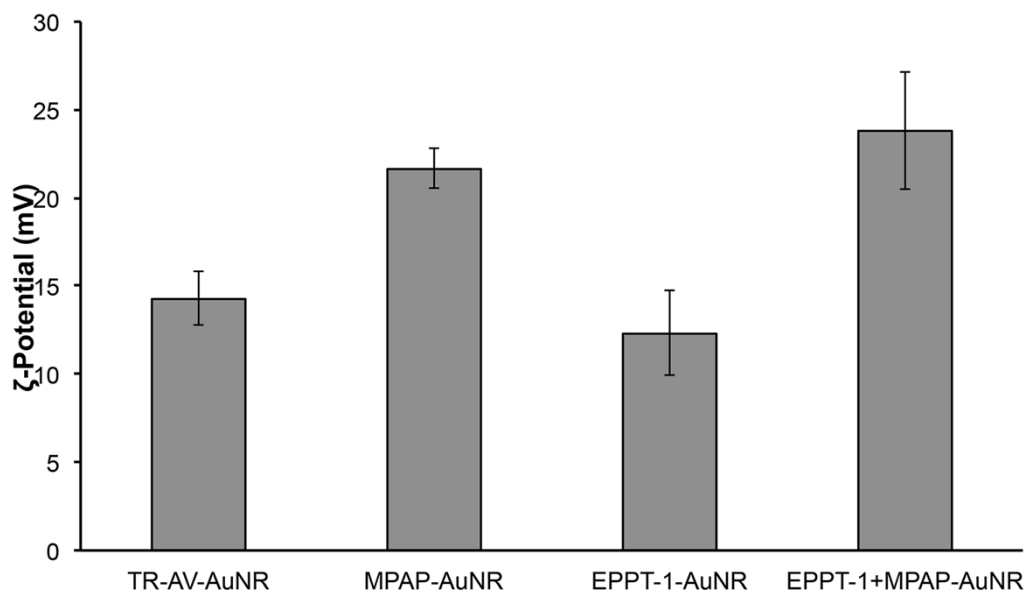


Fig. S5. ζ -Potential of peptide-conjugated AuNRs measured in ultrapure water.

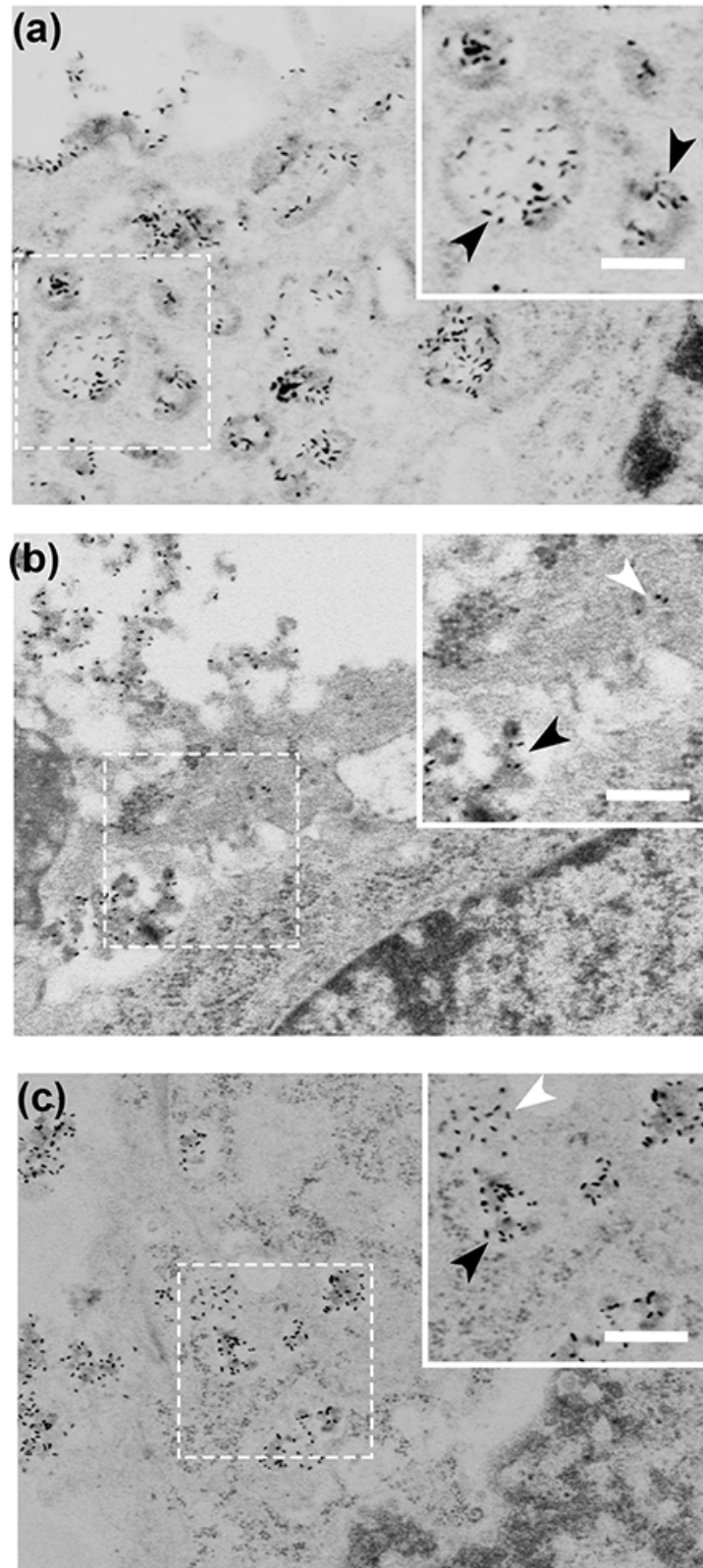


Fig. S6. STEM micrographs of AuNRs intracellular localization. 6606PDA cells were incubated with a) EPPT1, b) MPAP, and c) EPPT1+MPAP peptide-conjugated AuNRs for 4h. Black and white arrowheads indicate vesicle-like structures surrounding the AuNRs and cytosolic distribution of AuNRs, respectively. Scale bars = 250 nm.