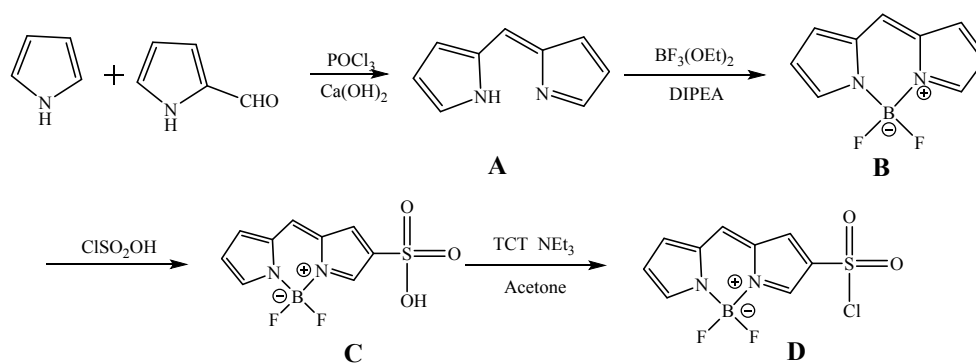


# Polyamine-Modified Gold Nanoparticles Readily Adsorb on Cell Membranes for Bioimaging

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Scheme S1. Schematic illustration of the synthesis of BODIPY-SO<sub>2</sub>Cl.

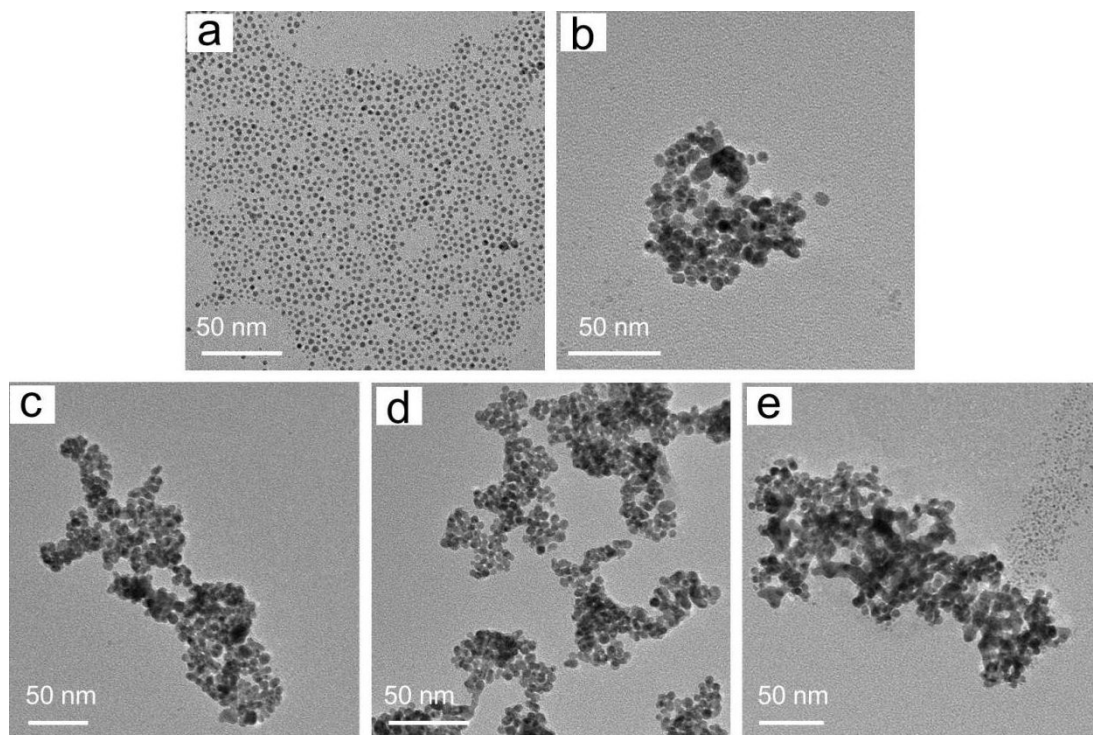


Figure S1. TEM images of gold nanoparticles. (a) AuNP@MPA; (b) AuNP@MPA-Trp-4C-FITC; (c) AuNP@MPA-Lys-4C-FITC; (d) AuNP@MPA-Cys-4C-FITC; (e) AuNP@MPA-Glu-4C-FITC. (Scale bars: 50 nm).

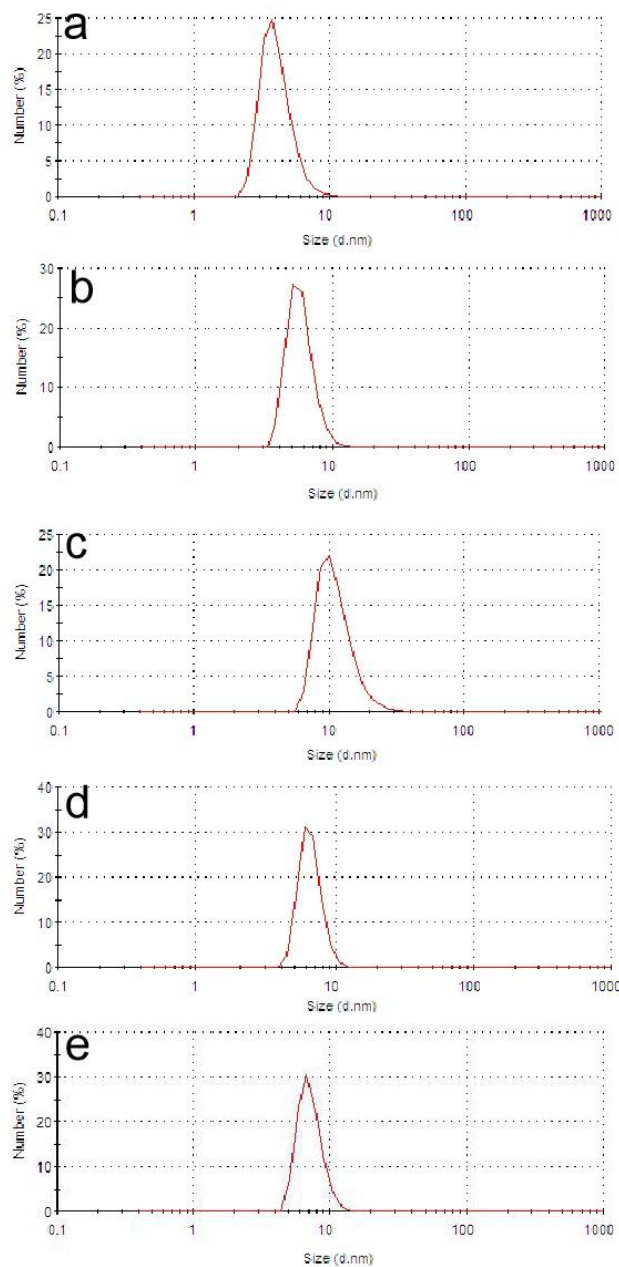


Figure S2. DLS particle size distributions of gold nanoparticles. (a) AuNP@MPA; (b) AuNP@MPA-Trp-4C-FITC; (c) AuNP@MPA-Lys-4C-FITC; (d) AuNP@MPA-Cys-4C-FITC; (e) AuNP@MPA-Glu-4C-FITC.

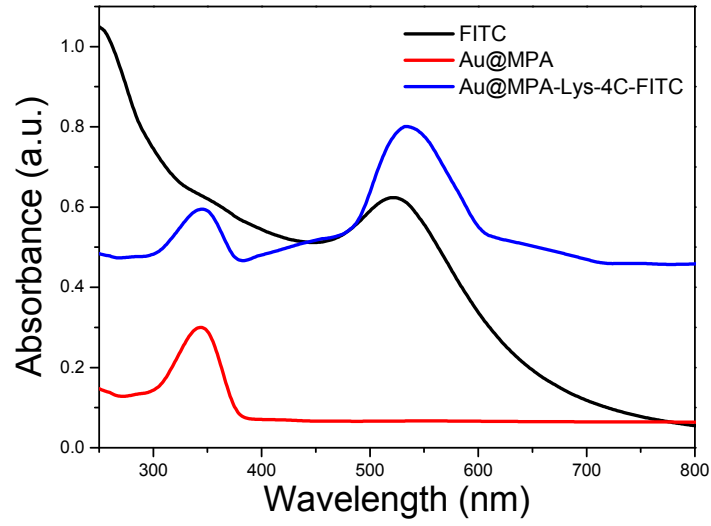


Figure S3. UV-Vis absorption spectra of FITC; AuNP@MPA; AuNP@MPA-Lys-4C-FITC.

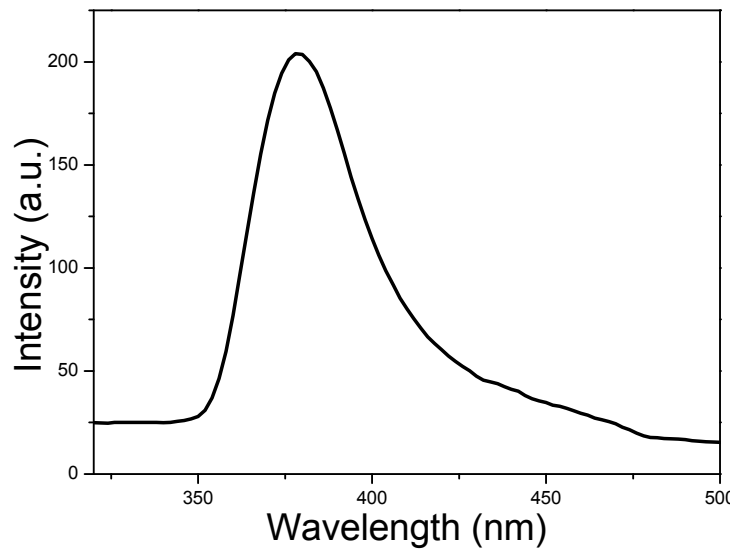


Figure S4. The fluorescence spectra of AuNP@MPA.

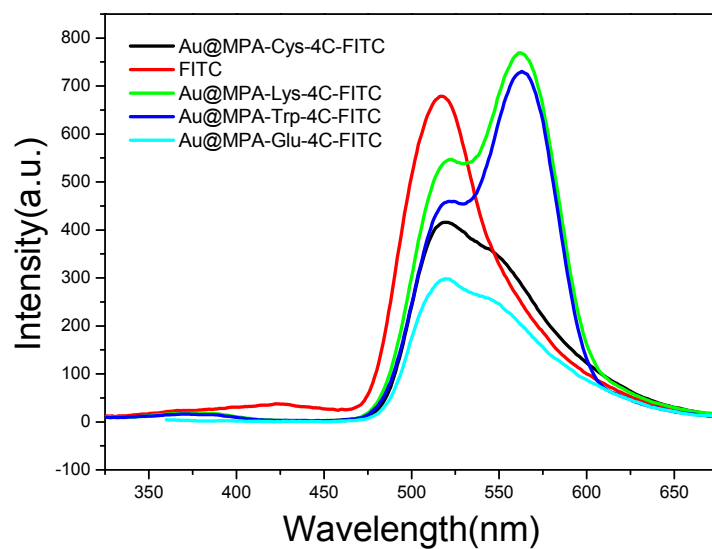


Figure S5. The fluorescence spectra of FITC; AuNP@MPA-Trp-4C-FITC; AuNP@MPA-Lys-4C-FITC; AuNP@MPA-Cys-4C-FITC; AuNP@MPA-Glu-4C-FITC.

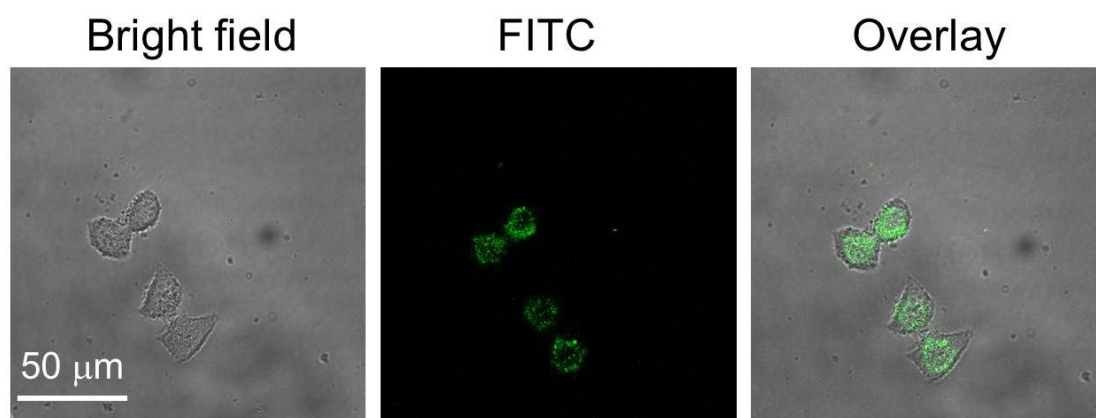


Figure S6. Confocal images of HepG2 cells treated with FITC (0.65 μM) for 10 min at 37 °C.