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Support Information

Gold Nanoparticle-Enhanced Near Infrared Fluorescent

Nanocomposites for Targeted Bio-imaging

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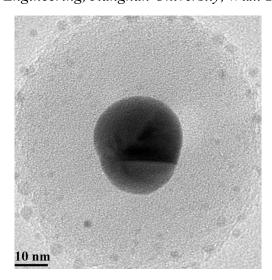


Fig S1. The typical TEM image of as-prepared Au/SiO₂/Ag₂S nanocomposites.

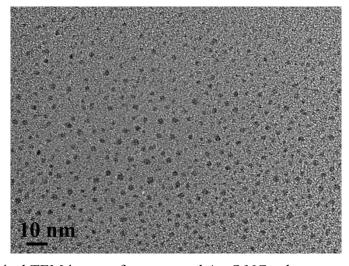


Fig. S2 The typical TEM image of as-prepared Ag₂S NCs; the average size was 1.9 ± 0.6 nm.

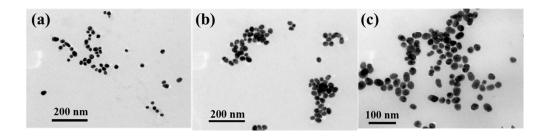


Fig. S3 TEM images of Au NPs with various size: (a) 17 ± 2.1 nm nm; (b) 25 ± 1.8 nm; (c) 28 nm ± 2.7 nm

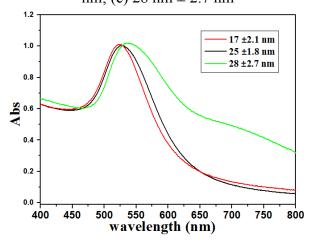


Fig. S4 The UV-vis spectra of different sized AuNPs

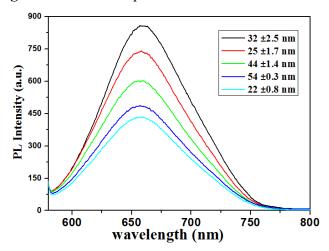


Fig. S5 Photoluminescence spectra of the different thickness of the nanocomposites