Supporting Information

Biocompatible Gd$^{III}$-Functionalized Fluorescent Gold Nanoclusters for Optical and Magnetic Resonance Imaging

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Figure S1. Hydrodynamic diameter distribution of (a) AuNC@BSA-(Gd-DTPA)$_n$ and (b) AuNC@BSA.

(a) Statistics Graph (1 measurements)

(b) Statistics Graph (1 measurements)
Figure S2. Optical absorption (blue) and photoemission (red, $\lambda_{\text{ex}} = 470$ nm) spectra of AuNC@BSA suspension.

Figure S3. The $R_1$ values of 0.1 mM AuNC@BSA-(Gd-DTPA)$_n$ suspension as function of pH over the range 3–9.
Figure S4. Fluorescence spectra of (a) AuNC@BSA-(Gd-DTPA)_n probe and (b) commercially-available gadolinium-labeled albumin co-labeled with rhodamine B before and after exposure to UV irradiation.
Figure S5. The linear relationship between $T_1$ relaxation rates ($1/T_1$) and $\text{Gd}^{3+}$ concentrations for gadolinium-labeled albumin co-labeled with rhodamine B.