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Multiphoton luminescent graphene quantum dots for *in vivo* tracking of human adiposederived stem cells

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Fig. S1 *In vitro* imaging of hADSCs 1 week after GQD labeling. hADSCs were incubated with 2.0 mg/ml GQDs for 1 day and imaged 1 week in the culture. The scale bar indicates $100 \mu m$.

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Fig. S2 In vitro live imaging of hADSCs using GQDs with different diameters. Fluorescence microscope images of hADSCs after incubation with \sim 5 nm and \sim 10 nm diameter GQDs for 24 hours. The scale bar indicates 100 μ m.



Fig. S3 Quantitative fluorescence intensity relative to no treat group (n = 3, p < 0.05 *p < 0.01 versus no treat group) 12 and 24 hours after treatment of 1.0 mg/ml GQDs into hADSCs.