

Electronic supplementary information

Photoluminescent graphene quantum dots for bioimaging applications

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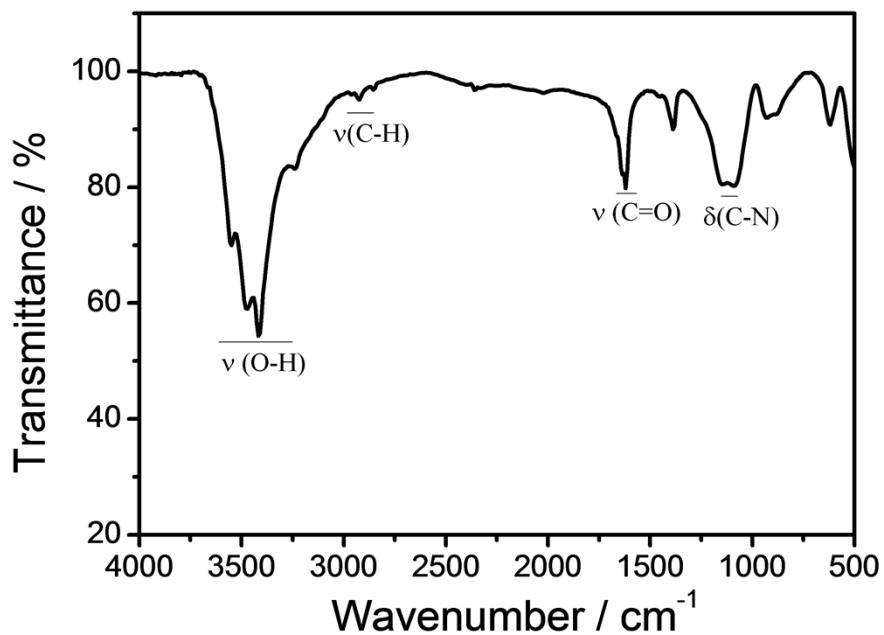


Fig. S1. The FT-IR spectra of GQDs.

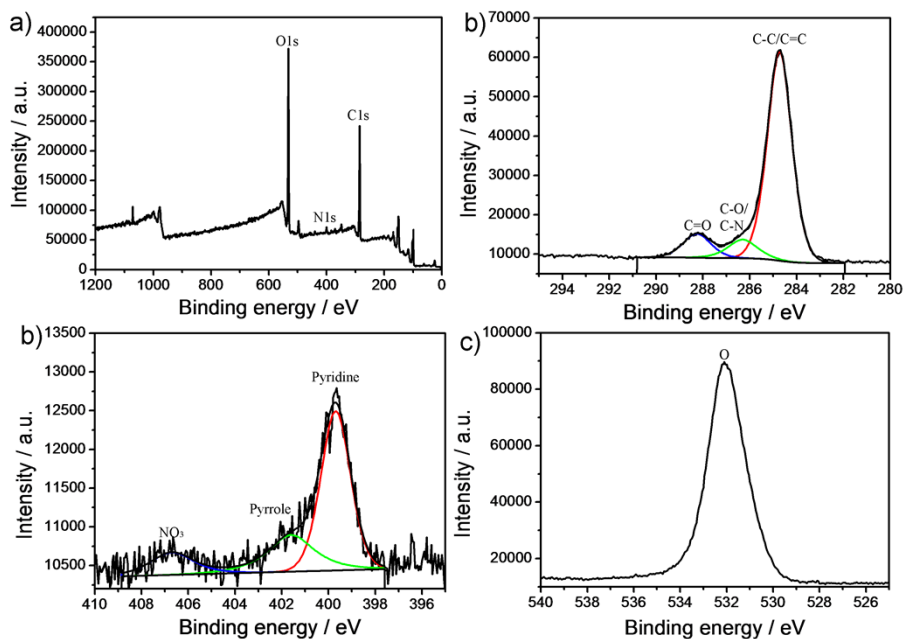


Fig. S2. XPS analysis of GQDs, a) the whole survey; b) C1s survey; c) N1s survey; d) O1s survey.

Data note:	C- C/C=C	C-O or C-N	O=C or COOH	Pyridine like N	Pyrrole like N	-NO ₂ or - NO ₃	O
Peak Binding Energy / eV	284.73	286.30	288.25	399.69	401.60	406.70	532.09
GQDs (%)	47.64	5.27	6.28	1.26	0.51	0.28	38.77

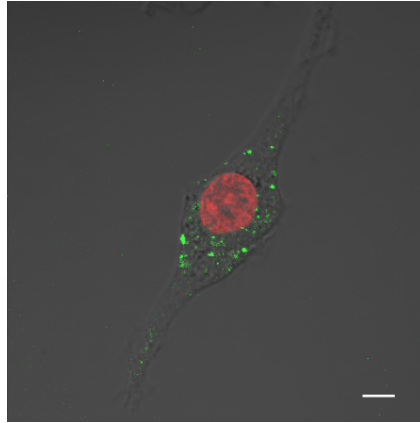


Fig. S3. Double labeling by GQDs and PI (nucleus-specific dyes). No absorption of PI on GQDs was observed. The scale bar is 5 μm .

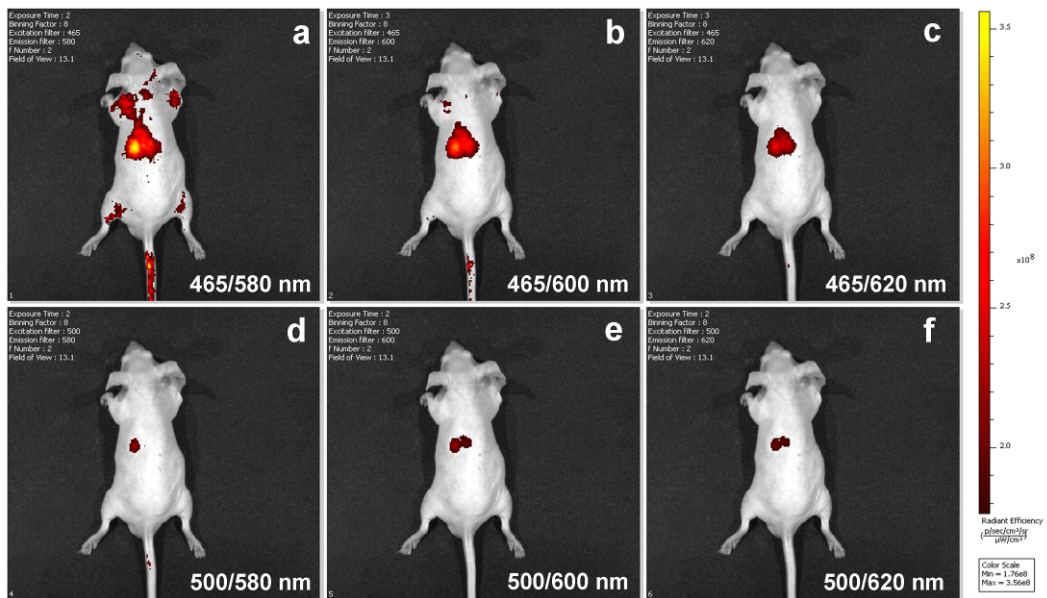


Fig. S4. In vivo imaging of GQDs in BALB/C mice at different excitatoin and emission wavelength.