Bifunctional silica-coated superparamagnetic FePt nanoparticles for fluorescence/MR dual imaging

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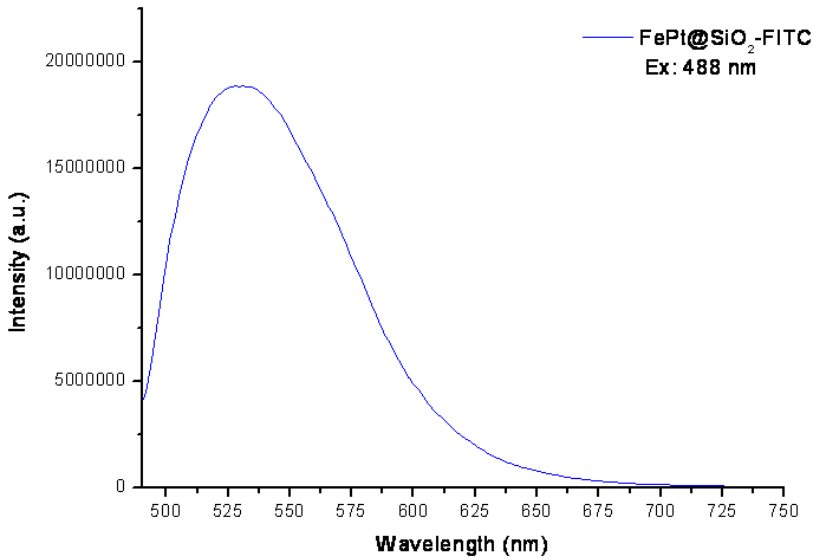

Fig. S1: Fluorescence emission spectrum of FePt@SiO2-FITC

		Mean (mV)	Area (%)	Width (mV)
Zeta Potential (mV): 39.9	Peak 1:	39.9	100.0	5.44
Zeta Deviation (mV): 5.44	Peak 2:	0.00	0.0	0.00
Conductivity (mS/cm): 0.0116	Peak 3:	0.00	0.0	0.00

Result quality : Good

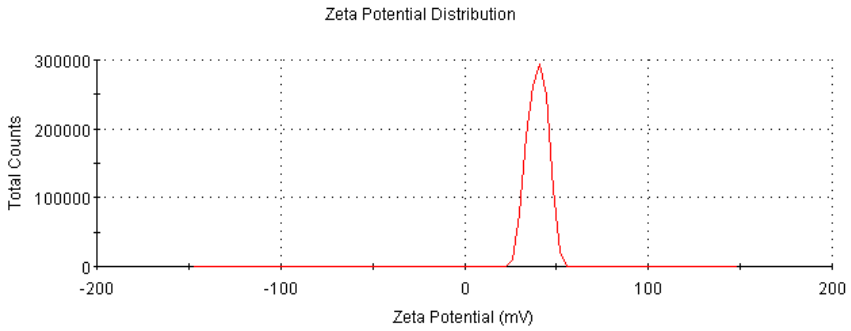

Fig. S2: Zeta potential of FePt@SiO2-FITC

Table S1: Longitudinal and transverse relaxation times

	FePt			FePt@SiO2-FITC	
Fe concentration (mM)	T1(s)	T2(s)	Fe concentration (mM)	T1(s)	T2(s)
0	2.020	1.552	0	2.020	1.552
0.0017	1.967	0.704	0.0007	1.973	1.436
0.0034	1.918	0.375	0.0014	1.958	1.287
0.0068	1.868	0.268	0.0028	1.935	1.118
0.0136	1.752	0.179	0.0056	1.889	0.805