

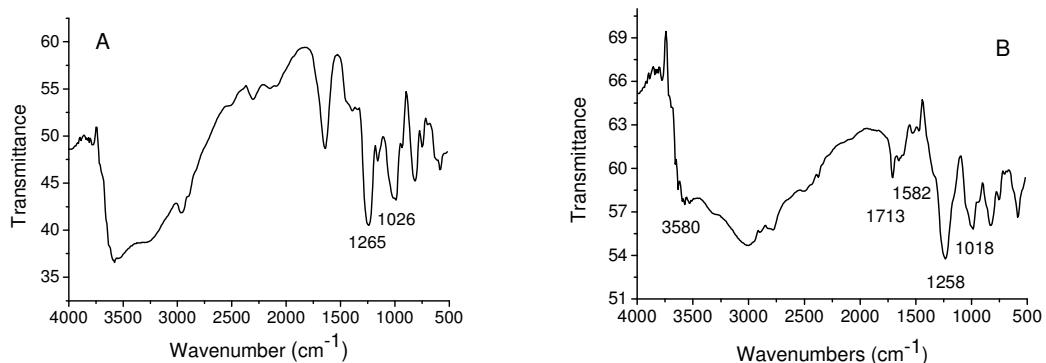
Paramagnetic, silicon quantum dots for magnetic resonance and two photon imaging of macrophages

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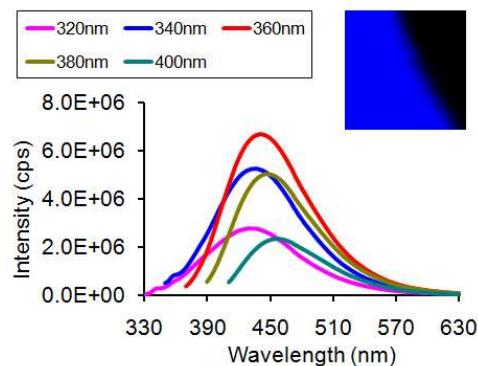
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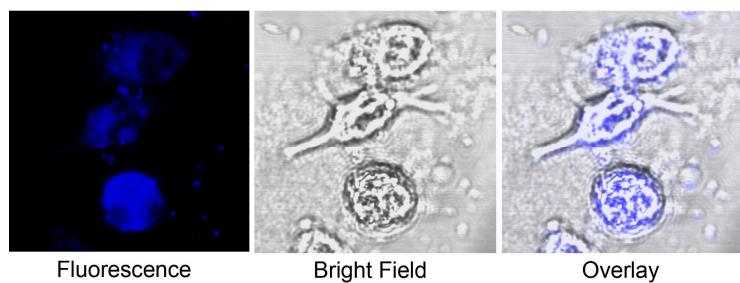
Supporting Information



Supplementary Figure 1. Infrared spectra of dextran sulfate (A) and dextran sulfate coated manganese doped silicon nanoparticles (B).



Supplementary Figure 2. Single-photon fluorescence spectra of DS Si_{Mn} QDs ($[Mn^{2+}] = 1.72 \times 10^{-5}$ M) at different excitation wavelengths in water. Inset: optical imaging of the same quantum dots on Confocal microscopy when excited at 405 nm.



Supplementary Figure 3. Confocal imaging of DS Si_{Mn} QDs in P388D1 macrophage cells demonstrates that DS Si_{Mn} QDs accumulate in vesicles of the cells. ($[Mn^{2+}] = 2 \times 10^{-5}$ M, excitation at 405 nm).