Optically and magnetically doped ormosil nanoparticles for bioimaging: synthesis, characterization, and *in vitro* studies.

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Enclosure: Two figures

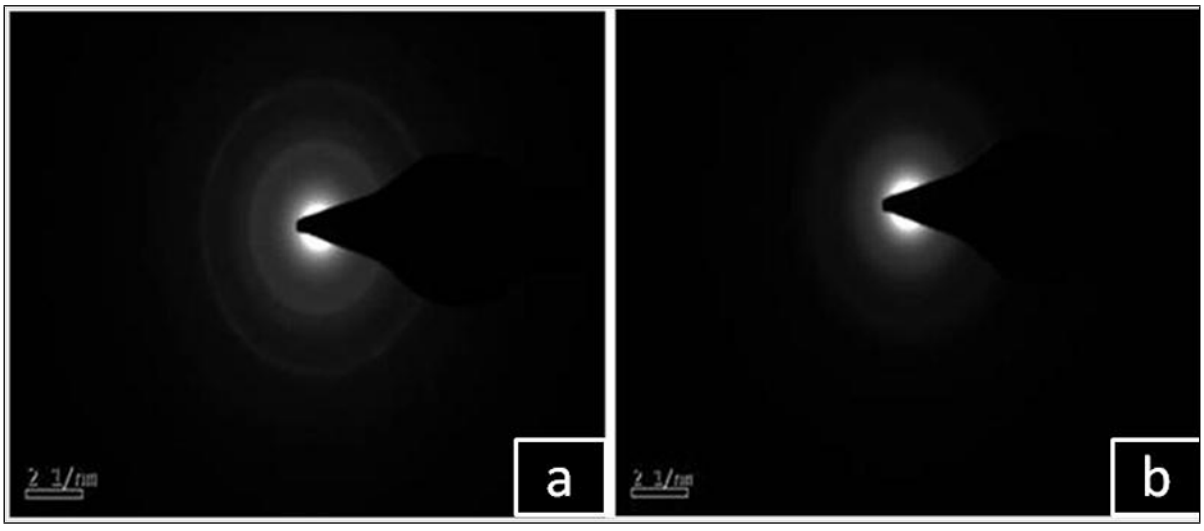

Fig. S1: Selected area electron diffraction (SAED) pattern of (a) free iron oxide nanoparticles (IO), and (b) ormosil nanoparticles encapsulating iron-oxide nanoparticles (IO/ORM). The clear diffraction rings visible in (a) appear to be diminished in (b).

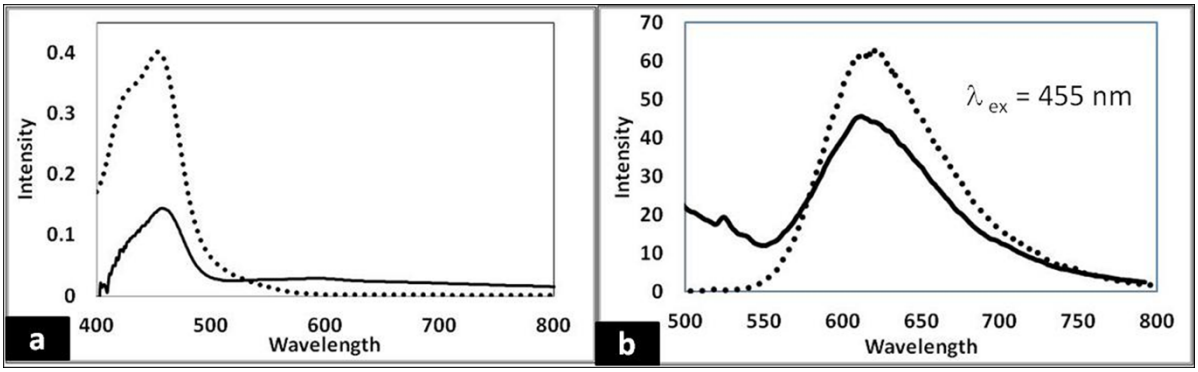

Fig. S2: Absorption (a) and fluorescence (b) spectra of fluorophore ruthenium-tris(2,2′-bipyridyl) dichloride (RU), free (broken line) and co-encapsulated with iron-oxide (IO) within ormosil nanoparticles (solid line). The results show that the optical features of the fluorophore are retained, but diminished, upon nanoencapsulation.