Supporting Information

Photoluminescence, cytotoxicity and in vitro imaging of hexagonal terbium phosphate nanoparticles doped with europium

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Figure S1. XRD pattern of the sample synthesized by citric acid-mediated hydrothermal route.

Figure S2. Room temperature excitation spectra of the (a) pure TbPO$_4$ monitored at 543 nm and of the Eu$^{3+}$-doped TbPO$_4$ (0.3 mol%) monitored at (b) 543 nm and (c) 611 nm. The inset shows a magnification of the $^7F_0 \rightarrow ^5L_6$ transition for the Eu$^{3+}$-doped TbPO$_4$ (0.3 mol%) monitored at 611 nm.
Figure S3. The luminescence intensity of cells incubated with TbPO₄:Eu nanoparticles at 37 °C and 4 °C, respectively.