

This updated ESI was republished on 01/09/2017 as the authors noticed an error in the supplied Fig. S3. Here, the correct image is given.

## Electronic Supplementary Information

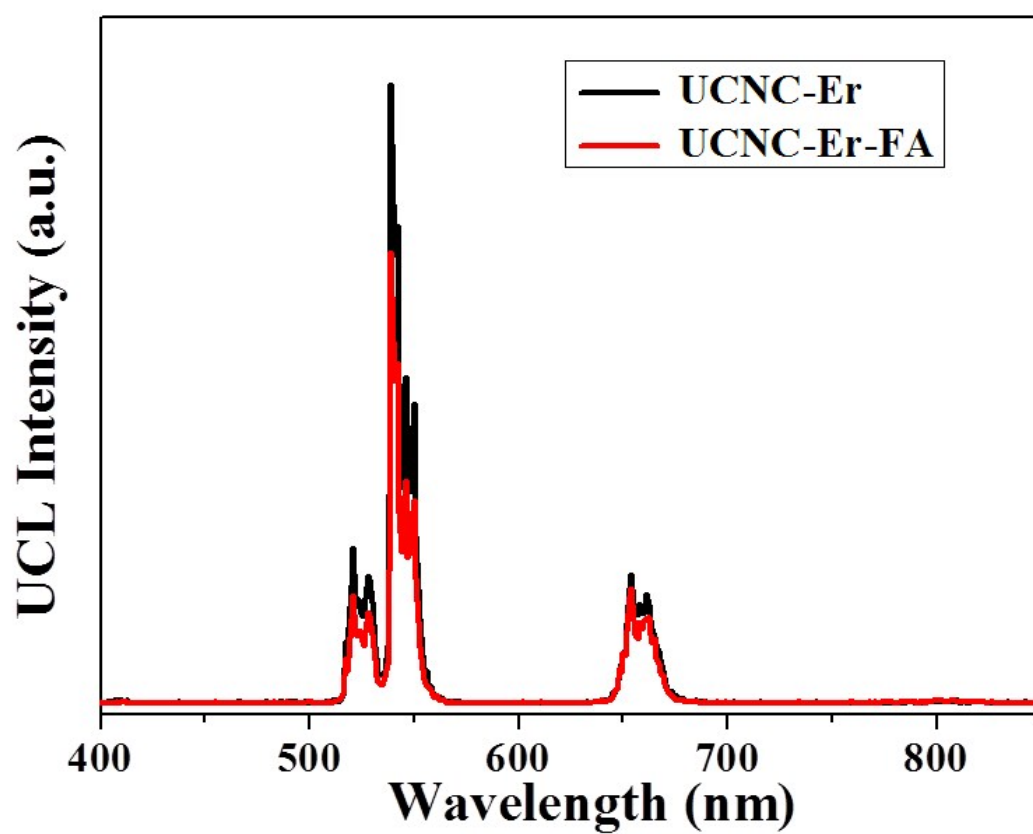
### **Folic acid-functionalized upconversion nanoparticles: toxicity studies *in vivo* and *in vitro* and targeted imaging application**

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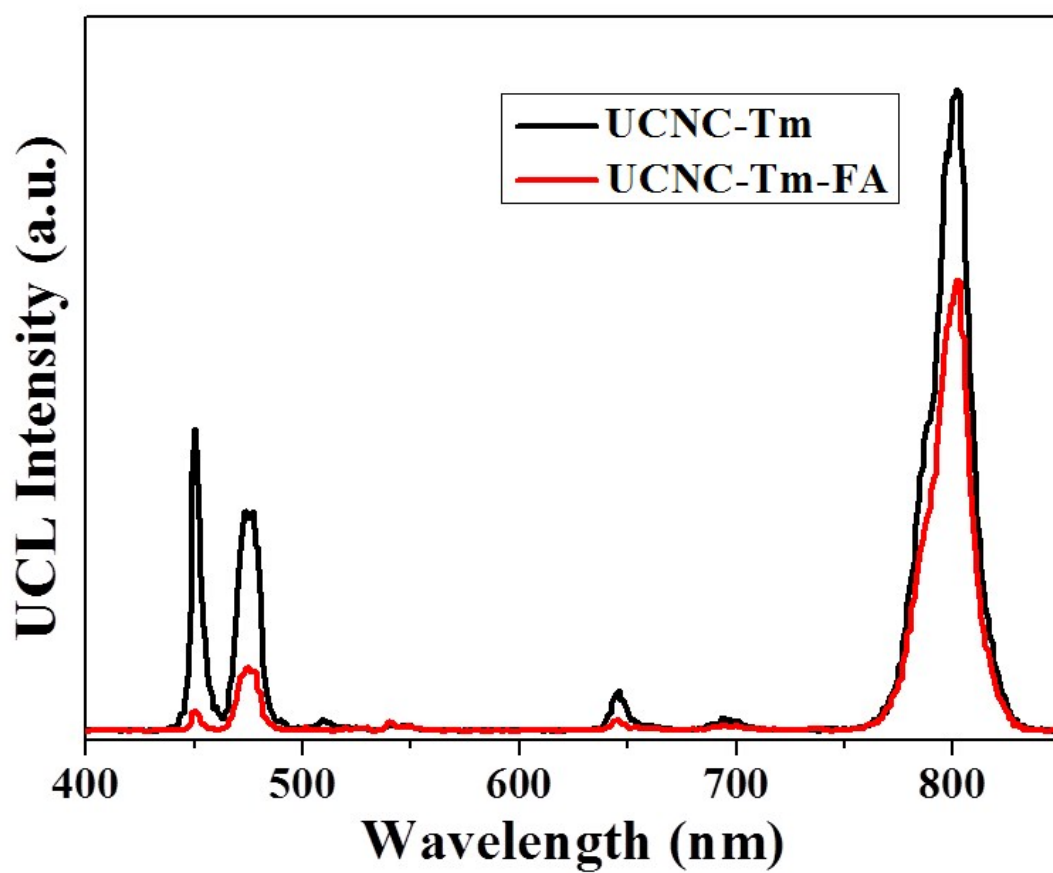
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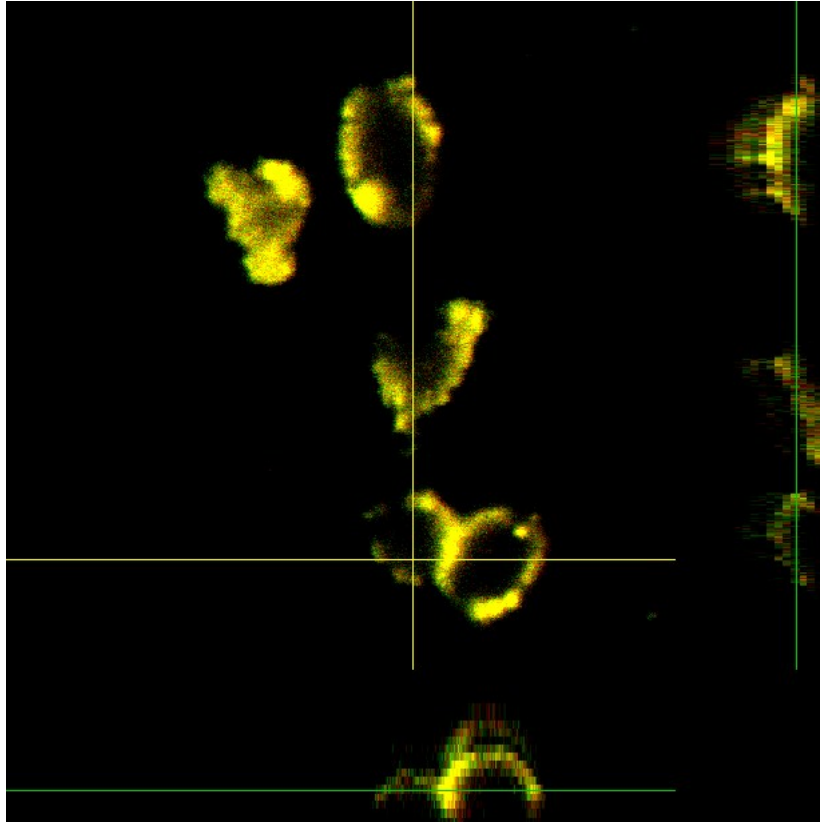
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**Fig. S1** Upconversion luminescence spectra of UCNC-Er and UCNC-Er-FA under excitation of CW 980 nm light with a power of 2 W.



**Fig. S2** Upconversion luminescence spectra of UCNC-Tm and UCNC-Tm-FA under excitation of CW 980 nm light with a power of 2 W.



**Fig. S3** Confocal luminescence imaging data collected as a series along the Z optical axis.