Electronic Supplementary Information

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

Lining Sun,*a Zuwu Wei,*a Haige Chen,*b Jinliang Liu,a Jianjian Guo,c Ming Cao,b Tieqiao Wen,c and Liyi Shi* a

a Research Center of Nano Science and Technology, Shanghai University, Shanghai 200444, P. R. China. E-mail: lnsun@shu.edu.cn; shiliyi@shu.edu.cn; Tel: +86-21-66137153

b Department of Urology, Renji hospital, School of Medicine, Shanghai Jiao Tong University, Shanghai 200127, P. R. China. E-mail: kirbyhaige@aliyun.com

c Laboratory of Molecular Neural Biology, School of Life Sciences, Shanghai University, Shanghai 200444, P. R. China.
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.