Electronic Supplementary Material (ESI) for Biomaterials Science.

Use of multifunctional composite nanofibers for photothermalchemotherapy to treat cervical cancer in mice

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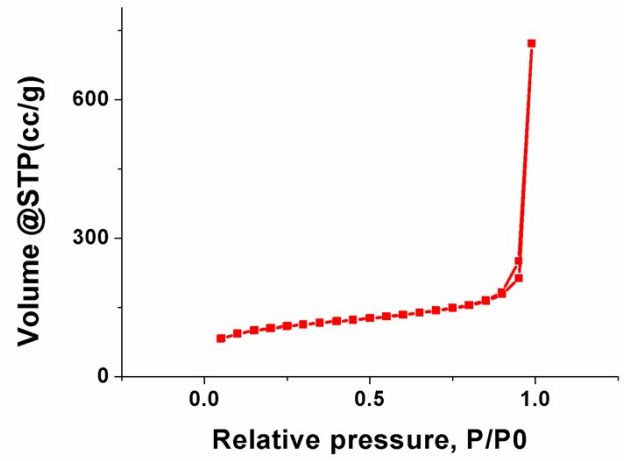

Fig.S1 Nitrogen adsorption isotherm of DIMSN.

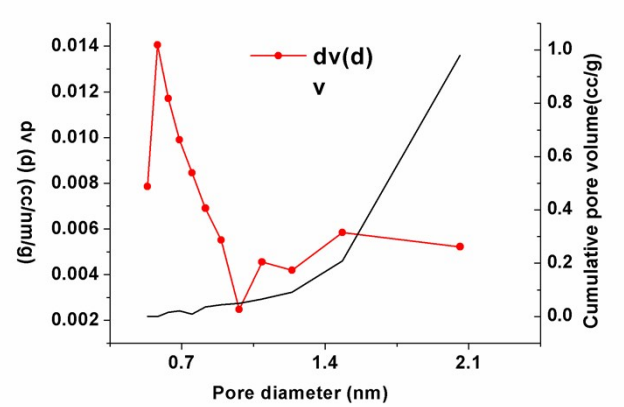

Fig.S2 BJH method Desorption dV analysis of DIMSN

Table.S1 the loading efficiency(LE) and encapsulation efficiency(EE) of DIMSN with different mass ratio between DOX and ICG.

DOX:ICG	DOX		ICG	
	LE(%)	EE(%)	LE(%)	EE(%)
1:2	6.7±0.27	85.0±0.53	13.9±0.56	87.9±0.28
2:1	15.2±0.56	98.4±0.75	7.6±0.35	99.1±0.56
1:1	11.4±0.11	98.7±0.96	11.5±0.13	99.4±0.10

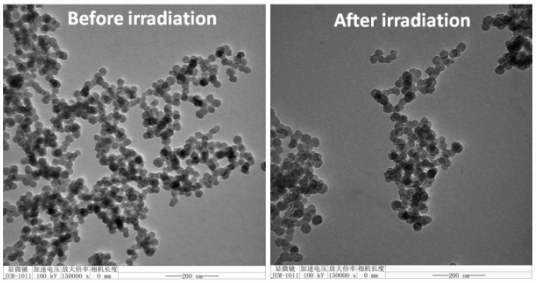

Fig.S3 TEM image of DIMSN before and after 808nm laser irradiation (5min, 0.5W.cm^{-2}).

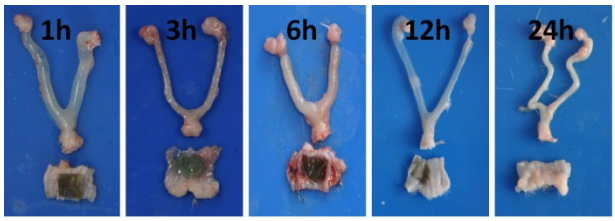

Fig.S4 Macroscopic observation of genital tracts of mice at different times after DIMSN/F implantation.

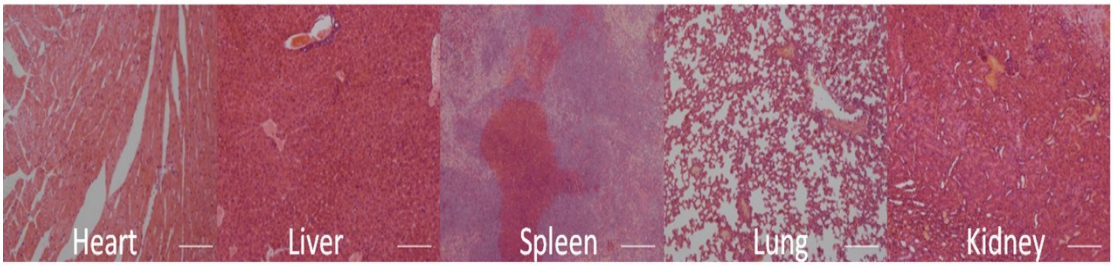

Figure S5. Histological analysis of main organs of mice 25 days after tumor inoculation.