EGFR-targeted liposomal nanohybrid cerasomes: theranostic function and immune checkpoint inhibition in a mouse model of colorectal cancer

Yuan Li¹,²,⁵, Yang Du²,³, Xiaolong Liang⁴, Ting Sun¹,², Huadan Xue¹, Jie Tian²,³,*, Zhengyu Jin¹,*

¹ Department of Radiology, Peking Union Medical College Hospital, Chinese Academy of Medical Sciences & Peking Union Medical College, No.1 Shuaifuyuan, Dongcheng District, Beijing 100730, China
² CAS Key laboratory of Molecular Imaging, The State Key Laboratory of Management and Control for Complex Systems, Institute of Automation, Chinese Academy of Sciences, No. 95 ZhongGuanCun East Road, 100190, Beijing, China
³ University of Chinese Academy of Sciences, Beijing, 100080, China
⁴ Department of Ultrasound, Peking University Third Hospital, Beijing 100191, China
⁵ Department of Radiology, Peking University Third Hospital, Beijing 100191, China
1. Supplementary Results

Supplementary Figure 1. The toxicity evaluation after the treatment using histology. H&E staining of the heart, liver, spleen, lung, and kidney harvested from mice with different groups 21 day after different treatment. (A) PBS, (B) PBS + laser irradiation, (C) IgG-CPIG, (D) EGFR-CPIG, (E) free PD-L1 mAb, (F) IgG-CPIG + laser irradiation, (G) EGFR-CPIG + laser irradiation, (H) IgG-CPIG + laser irradiation + PD-L1 mAb, (I) EGFR-CPIG + laser irradiation + PD-L1 mAb.
Supplementary Figure 2. Blood test 21 days after different treatment. White blood cell counts (WBCs), red blood cell counts (RBCs) and platelet counts (PLTs) were analyzed using a BC-2800Vet hematology analyzer.