

Genetically engineered probiotics for optical imaging-guided tumor photothermal /immunotherapy

Xue Chen^{a, 1}, *Puze Li*^{a, 1}, *Shiqiang Xie*^{a, 1}, *Xiangliang Yang*^{a, b, c}, *Ban Luo*^{e, f *} and *Jun Hu*^{a, b, c, d *}

^a National Engineering Research Center for Nanomedicine, College of Life Science and Technology, Huazhong University of Science and Technology, Wuhan 430074, China

^b Hubei Key Laboratory of Bioinorganic Chemistry and Materia Medica, School of Chemistry and Chemical Engineering, Huazhong University of Science and Technology, Wuhan 430074, China

^c Key Laboratory of Molecular Biophysics of Ministry of Education, College of Life Science and Technology, Huazhong University of Science and Technology, Wuhan 430074, China

^d Hubei Jiangxia Laboratory, 430200, Wuhan, China

^e Department of Ophthalmology, Tongji Hospital, Tongji Medical College, Huazhong University of Science and Technology, Wuhan 430030, China

^f Department of Ophthalmology, Wenchang People's Hospital, Wenchang, 571321, China

* Corresponding author

E-mail: hjun0718@hust.edu.cn, banluoeye@hust.edu.cn

¹ These authors contribute equally.

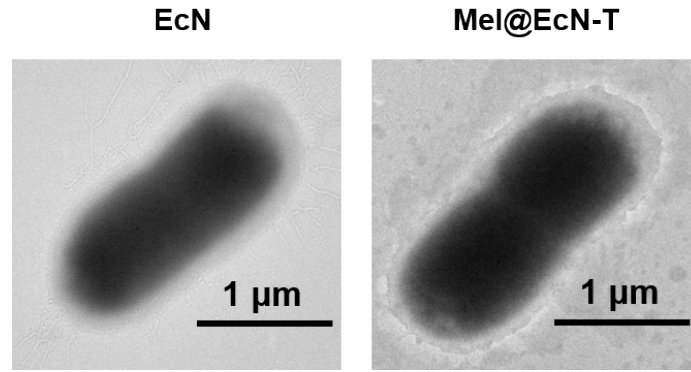


Fig. S1 TEM image of EcN and Mel@EcN-T.

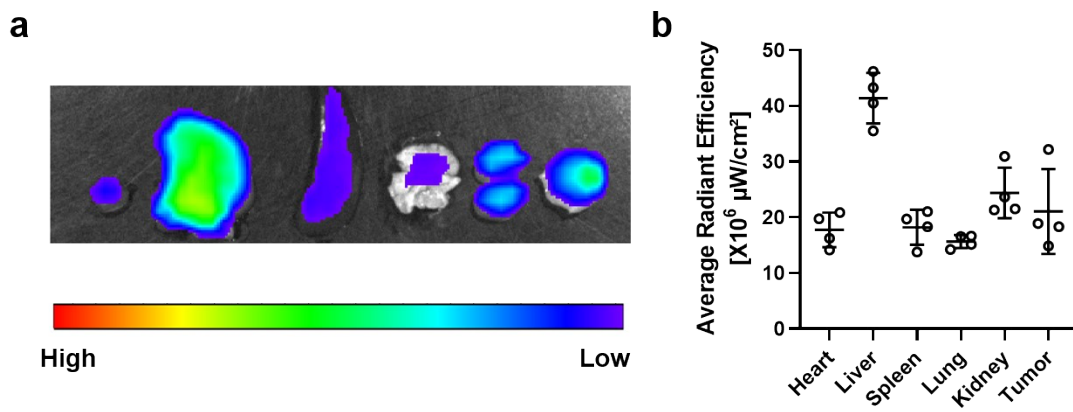


Fig. S2 The biodistribution of Cy5-Mel@EcN-T. a) Representative image and the corresponding quantitative analysis of major organs (heart, liver, spleen, lung and kidney) harvested at 120 h after intravenous injection of Cy5-Mel@EcN-T (n = 4).

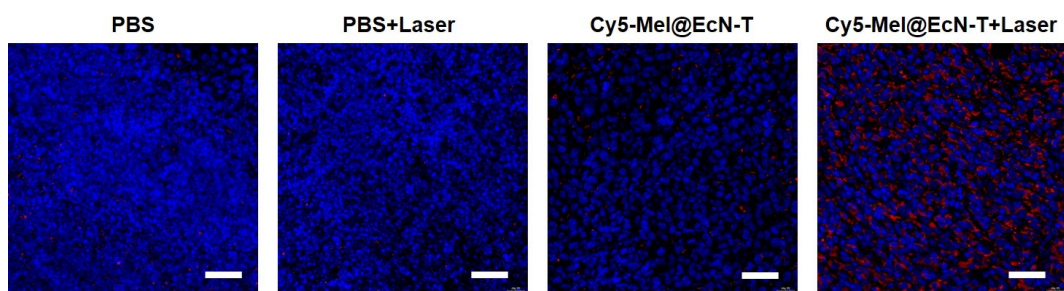


Fig. S3 Calreticulin staining of tumor sections after different treatment, blue was DAPI signal, red was calreticulin signal.