

Supporting Information

Self-Assembled Anionic and Cation Au Nanoparticles with Au Nanoclusters for Exploration of Different Biological Responsiveness in Cancer Therapy

Jingjing Yang^a, Lu Zhang^b, Qian Zhou^c, Fan Chen^d, Martina Stenzel^d, Fucheng Gao^a, Chao Liu^e, Huiqing Yuan^{b,*}, Hui Li^{a,*} and Yanyan Jiang^{a,f,g*}

^a Key Laboratory for Liquid-Solid Structural Evolution and Processing of Materials, Ministry of Education, Shandong University, Jinan, Shandong, China.

^b Institute of Medical Sciences, the Second Hospital of Shandong University, 247 Beiyuan Dajie Street, Jinan, Shandong, China.

^c Department of Obstetrics, Shandong Provincial Hospital affiliated to Shandong First Medical University, 324 Jingwu Street, Jinan, Shandong, China.

^d Centre for Advanced Macromolecular Design (CAMD), School of Chemistry, University of New South Wales, Sydney, NSW 2052, Australia.

^e Department of Oromaxillofacial Head and Neck Oncology, Shanghai Ninth People's Hospital, College of Stomatology, Shanghai Jiao Tong University School of Medicine, Shanghai, China.

^f Suzhou Institute of Shandong University, Room 522, Building H of NUSP, NP.388 Ruoshui Road, SIP, Suzhou, Jiangsu, China.

^g Shenzhen Research Institute of Shandong University, Shenzhen 518057, China.

*Correspondence: yanyan.jiang@sdu.edu.cn (Y. J.), lyuanhq@sdu.edu.cn (H. Y.), lihuilmy@hotmail.com (H. L.)

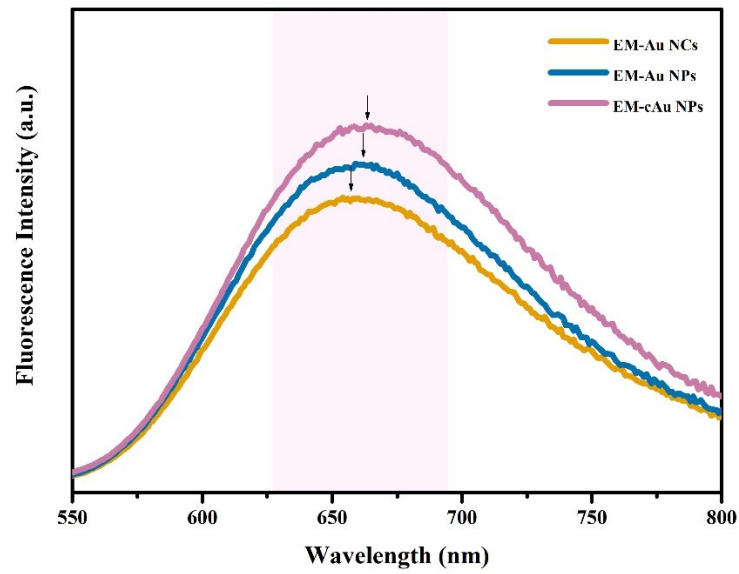


Figure S1. Emission spectra with $\lambda_{\text{ex}} = 365$ nm of Au NCs, self-assembled Au NPs and cAu NPs.

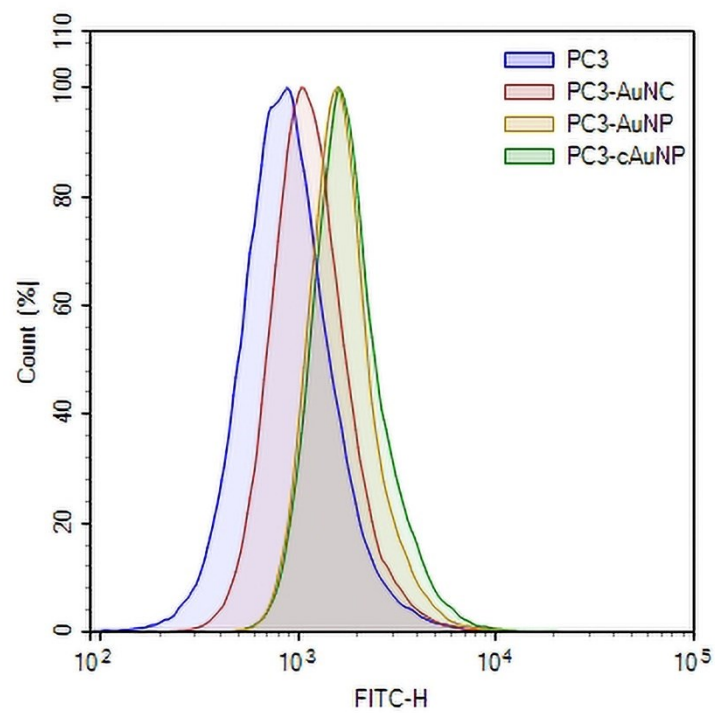


Figure S2. Flow cytometry analysis in PC3 cells treated with FITC-Au NCs, FITC-Au NPs and FITC-cAu NPs.