Accepted Manuscript

Hybrid Anisotropic Nanostructures for Dual-modal Cancer Imaging and Image-guided Chemo-thermo Therapies

Ruiping Zhang, Kai Cheng, Alexander L. Antaris, Xiaowei Ma, Min Yang, Sindhuja Ramakrishnan, Guifeng Liu, Alex Lu, Hongjie Dai, Mei Tian, MD., Ph.D., Zhen Cheng, Ph.D.

PII: S0142-9612(16)30329-5

DOI: 10.1016/j.biomaterials.2016.06.063

Reference: JBMT 17602

To appear in: *Biomaterials*

Received Date: 11 January 2016

Revised Date: 12 June 2016

Accepted Date: 29 June 2016

Please cite this article as: Zhang R, Cheng K, Antaris AL, Ma X, Yang M, Ramakrishnan S, Liu G, Lu A, Dai H, Tian M, Cheng Z, Hybrid Anisotropic Nanostructures for Dual-modal Cancer Imaging and Image-guided Chemo-thermo Therapies, *Biomaterials* (2016), doi: 10.1016/j.biomaterials.2016.06.063.

Hybrid Anisotropic Nanostructures for Dual-modal Cancer Imaging and Image-guided Chemo-thermo Therapies

Ruiping Zhang, [†ab] *Kai Cheng,* [†b] *Alexander L. Antaris,*[c] *Xiaowei Ma,*[b] *Min Yang,*[b] *Sindhuja Ramakrishnan,*[b] *Guifeng Liu,*[b] *Alex Lu,*[b] *Hongjie Dai,*[c] *Mei Tian,*[*d] *Zhen Cheng*[*b]

[a] Department of Radiology of The First Hospital of Shanxi Medical University, Molecular imaging precision medical Collaborative Innovation Center, Shanxi Medical University, Taiyuan, Shanxi, 030001, China

[b] Molecular Imaging Program at Stanford (MIPS), Canary Center at Stanford for Cancer Early Detection, Department of Radiology and Bio-X Program, School of Medicine, Stanford University, 1201 Welch Road, Lucas P095, Stanford, CA 94305-5484, USA

[c] Department of Chemistry, Stanford University, California 94305, United States

[d] Department of Nuclear Medicine and PET Center, The Second Hospital of Zhejiang University School of Medicine, Hangzhou, Zhejiang 310009, China

[†] These authors contributed equally.

*Corresponding Author

Zhen Cheng, Ph.D.