

CURRICULUM VITAE

Liwen Zhang
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Research Interests

Smart nanomaterials, drug delivery and molecular imaging.

1. I am interested in designing enzyme, light and pH dependent activatable nanoparticles for drug delivery and tumor immunotherapy;
2. I can also use multimodality imaging technologies to monitor cancer therapy response, including MRI, PET, SPECT, photoacoustics imaging and optical imaging.

Selected Publications

- **Liwen Zhang**, Shi Gao, Fan Zhang, Kai Yang, Qingjie Ma, Lei Zhu*. Activatable Hyaluronic Acid Nanoparticle as a Theranostic Agent for Optical/Photoacoustic Image-Guided Photothermal Therapy. *ACS Nano* 2014, 8 (12), 12250-8.
- **Liwen Zhang**, Pengfei Rong, Minglong Chen, Shi Gao*, Lei Zhu*. A Novel Single Walled Carbon Nanotube (SWCNT) Functionalization Agent Facilitating in Vivo Combined Chemo/Thermo Therapy. *Nanoscale*, 2015, 7, 16204-16213. (Cover story)
- Shi Gao#, **Liwen Zhang# (equal contribution first author)**, Jie Yang, Qingjie Ma*, Lei Zhu*. Hybrid Graphene/Au Activatable Theranostic Agent for Multimodalities Imaging Guided Enhanced Photothermal Therapy. *Biomaterials*, 79 (2016): 36-45.
- Jingjing Wang, **Liwen Zhang**, Minglong Chen, Shi Gao, Lei Zhu*. Activatable Ferritin Nanocomplex for Real-Time Monitoring of Caspases-3 Activation during Photodynamic Therapy (PDT). *ACS Applied Materials & Interfaces*, 2015, 7, 23248 – 23256.
- Guohao Wang, Fan Zhang, **Liwen Zhang**, Shi Gao, Guifeng Fu, Qingjie Ma, Lei Zhu*. Dual-Targeted Indocyanine Green-Hyaluronic Acid Nanoparticle Fabricated Nanotubes for Photoacoustic Imaging Guided Enhanced Phototherapy. *ACS Applied Materials & Interfaces*, 2016, 8 (8), 5608–5617.
- Dongling Zhu, Yushuang Qin, Jingjing Wang, **Liwen Zhang**, Sijuan Zou, Xiaohua Zhu*, and Lei Zhu*. Novel Glypican-3-Binding Peptide for in Vivo Hepatocellular Carcinoma Fluorescent Imaging. *Bioconjugate Chemistry*, 2016, 27 (3), 831–839.

Education

- 2017-present, Ph.D., Department of Chemical Science, King Abdullah University of Science and Technology (KAUST), KSA
- 2013-2016, M.S., Xiamen University, China
- 2008-2013, B.S., Xi'an Medical University, China

Awards

- National Scholarship for Graduate Students, China, 2015.
- The Bendong Scholarship (one of the best scholarship in Xiamen University), 2016.