1. Liang Tang **DEPARTMENT**
Associate Professor Biomedical Engineering

2. EDUCATION

a. BS, Chemical Engineering, Changzhou University, China, 1999
b. PhD, Chemical Engineering, University of Louisville, KY, 2005
c. Postdoc, Cardiology and Bioengineering, Cedars Sinai/UCLA, 2007
Cardiology and Bioengineering, Indiana University School of Medicine, 2008

3. ACADEMIC EXPERIENCE

Sept 2014 – present	Associate Professor, Biomedical Engineering Dept, UTSA, San Antonio, TX
Sept 2008 – Aug. 2014	Assistant Professor, Biomedical Engineering Dept, UTSA, San Antonio, TX
June 2007 – Aug. 2008	Postdoc Fellow, Indiana U. School of Medicine, Indianapolis, IN
June 2005 – June 2007	Postdoc Fellow, Cardiology/Bioengineering, UCLA, Los Angeles, CA
June 2003 – May 2005	Predoctoral Fellow, American Heart Association, U of Louisville, KY
Aug 2000 – May 2003	Research Assistant, Chemical Engineering, U of Louisville, KY

4. NON ACADEMIC EXPERIENCE

n/a

5. CERTIFICATIONS OR PROFESSIONAL REGISTRATIONS

n/a

6. CURRENT MEMBERSHIPS IN PROFESSIONAL ORGANIZATIONS

International Society on Oxygen Transport to Tissue
Biomedical Engineering Society

7. HONORS AND AWARDS

2014 Biosensor and Bioelectronics award, 24th World Congress on Biosensors, Melbourne, Australia.
2005 The John M. Houchens Prize for outstanding dissertation, University of Louisville.
2004 Duane F. Bruley Award, 32nd ISOTT Conference, Bari, Italy
2004 SigmaXi grant-in-aid research award
2003 Predoctoral Research Fellowship, American Heart Association
2003 Tau Beta Pi
2002 SigmXi

8. SERVICE ACTIVITIES

2014-2015	GREAT review panel, Member
2015	BME PhD admission Committee, Chair
2009-2015	BME Faculty Search Committee, Member

2014-2016 BME PhD Qualifying Committee, Member
2014-present BME Curriculum Committee, Member
2014-2016 Graduate Council, Member
2014-2016 Engineering College Faculty Development Leave, Member
2013-2016 University Academic Freedom and Tenure, Member
2012-2015 University Academic Policy and Requirements, Member

9. PUBLICATIONS

- Wang XF, Mei Z, Wang YY, Tang L. Gold nanorod biochip functionalization by antibody thiolation. Talanta, 136:1-8 (2015).
- Wang YY, Tang L. Multiplexed gold nanorod array biochip for multi-sample analysis. Biosensor and Bioelectronics, 14:542-549 (2014).
- Zhang B, Morales AW, Peterso R, Tang L, Ye JY. Label-free detection of cardiac troponin I with a photonic crystal biosensor. Biosensor and Bioelectronics, 58:107-113 (2014).
- Tang L, Casas J. Quantification of cardiac biomarkers using label-free and multiplexed gold nanorod bioprobes for myocardial infarction diagnosis. Biosensors and Bioelectronics, 61:70-75 (2014).
- Pokhrel M, Mimum LC, Kumar GA, Yust B, Dhanale A, Tang L, Sardar DK. Stokes emission in GdF3:Nd(3+) nanoparticles for bioimaging probes. Nanoscale, 6:1667-1674 (2014).
- Mimum L, Pedraza F, Dhanale A, Tang L, Dravid V, Sardar D. Bimodal Imaging Using Neodymium Doped Gadolinium Fluoride Nanocrystals with Near-Infrared to Near-Infrared Down Conversion Luminescence and Magnetic Resonance Properties. J. of Mater. Chem. B., 1:5702-5710, (2013).
- Wang YY, Tang L. Chemisorption Assembly of Au Nanorods on Mercaptosilanized Glass Substrate and Biofunctionalization for Label-free Biological Detection. Analytica Chimica Acta, 796:122-129, (2013).
- Song C, Zhi A, Liu Q, Yang J, Jia G, Shervin J, Tang L, Hu X, Deng R, Xu C, Zhang GP. Rapid and sensitive detection of beta-agonists using a portable fluorescence biosensor based on fluorescent nanosilica and a lateral flow test strip. Biosensors and Bioelectronics,50:62-65, (2013).
- Casas J, Venkataramasubramani M, Wang YY, Tang L. Replacement of Cetyltrimethylammoniumbromide Bilayer on Gold Nanorod by Alkanethiol Crosslinker for Enhanced Plasmon Resonance Sensitivity. Biosensors and Bioelectronics, 49:525-530, (2013).
- Tang L, Casas J, Venkataramasubramani, M. Magnetic nanoparticle mediated enhancement of localized surface plasmon resonance for ultrasensitive bioanalytical assay in human blood plasma. Analytical Chemistry, 85:1431-1439, (2013).

10. PROFESSIONAL DEVELOPMENT ACTIVITIES

a. 43rd ISOTT Annual Meeting, Wuhan, China, July 2015
b. 4th International Biosensing Technology Conference, Lisbon, Portugal, May 2015
c. PITTCON Conference, New Orleans, LA, March 2015
d. BMES Annual Meeting, San Antonio, TX, Oct. 2014
e. 24th World Congress on Biosensors, Melbourne Australia, May 2014