

Huan Xie, PhD

Associate Professor, Department of Pharmaceutical Sciences



Mailing address:

College of Pharmacy and Health Sciences Texas Southern University
Gray Hall 119
3100 Cleburne Street,
Houston, TX 77401

Office Location:

Gray Hall 119

Lab Location:

Gray Hall 216

Contact:

- Voice: 713-313-4340
- Lab: 713-313-1167
- E-Mail: xieh@tsu.edu

Affiliations:

- American Association for Cancer Research (AACR)
- American Association of Pharmaceutical Scientists (AAPS)
- American Association of Colleges of Pharmacy (AACP)
- Rho Chi Honor Society in Pharmacy
- Gulf Coast Consortia (GCC)
- American Chemical Society (ACS)
- Phi Lambda Upsilon Honorary Chemical Society

Training and Education:

2000~2004 Ph.D., Chemistry, North Carolina State University, Raleigh, USA
1995~1999 B.S., Chemistry, Fudan University, Shanghai, China

Research Interest:

- Conventional and advanced nano-drug formulation and drug delivery
- Pharmacokinetics and biodistribution studies of nanoformulation
- Application of nanomedicine for therapy, imaging and diagnosis of cancer
- Analysis of drug molecules using HPLC and LC/MS/MS methods

Teaching:

- Pharmaceutics: Calculation and dosage forms
- Pharmacokinetics and Physical Pharmacy
- Advanced drug formulation and delivery
- Biochemistry

Representative Publications:

- Bian, X.; Diagaradjane, P.; Deorukhkar, A.A.; Liang, S.; Schwartz, J.; Krishnan, S.; **Xie, H.** "Hypoxia-targeted-Gold Nanorods for Photothermal Cancer Treatment", *Nanomedicine: NBM*, submitted
- Liang, S.; Bian, X.; Liang, D.; Sivils, J.; Neckers, L.; Cox, M.B.; **Xie, H.** "Solution Formulation Development and Efficacy of MJC13 in a Preclinical Model of Castrate-Resistant Prostate Cancer", *Pharm. Dev. Technol.* Epub ahead of print, 2014
- Liang, S.; Sanchez-Espiridon, B.; **Xie, H.**; Ma, J.; Wu, X.; Liang, D. "Determination of Proline in Human Serum by a Robust LC-MS/MS Method: Application to Identification of Human Metabolites as Candidate Biomarkers for Esophageal Cancer Early Detection and Risk Stratification", *Biomed. Chrom.*, ahead of print, 2014
- Liang, S.; Bian, X.; Sivils, J.; Neckers, L.; Cox, M.B.; **Xie, H.** "Quantification of a New Anti-Cancer Molecule MJC13 Using a Rapid and Sensitive Liquid Chromatography-tandem Mass Spectrometry Assay", *Am. J. Modern Chrom.*, Vol.1 No. 1, 1-11, 2014
- Bian, X.; Liang, S.; John, J.; Hsiao, C.; Wei, X.; Liang, D.; **Xie, H.** "Development of PLGA-Based Itraconazole Injectable Nanospheres for Sustained Release", *Int. J. Nanomedicine*, 8, 4521-4531, 2013
- John, M.K.; **Xie, H.**; Bell, E.C.; Liang, D. "Development and Pharmacokinetic Evaluation of a Curcumin Co-solvent Formulation", *Anicancer Res.*, 33, 4285-4292, 2013
- Liang, S.; Bian, X.; Ma, J.; Motolani, A.; Deorukhkar, A.A.; Krishnan, S.; **Xie, H.** "Development and Validation of a Sensitive LC/MS/MS Method for the Determination of γ -Tocotrienol in Rat Plasma: Application to Pharmacokinetic Studies", *Biomed. Chrom.*, 27 (1), 58-66, 2013. PMID:22522964
- **Xie, H.**; Goins, B.; Bao, A.; Wang, Z.; Phillips, W.T., "Effect of Intratumoral Administration on the Biodistribution of ^{64}Cu labeled Gold Nanoshells", *Int. J. Nanomedicine*, 7, 2227-2238, 2012. PMID: 22619558
- **Xie, H.**; Wang, Z.; Bao, A.; Goins, B.; Phillips, W.T. "Radiolabeled Gold Nanoshells for In Vivo Imaging: Example of Methodology for Initial Evaluation of Biodistribution of a Novel Nanoparticle", *Nanoimaging - Pan Stanford Series on Biomedical Nanotechnology*, invited book chapter, Pan Stanford Publishing, 213-224, 2011
- **Xie, H.**; Diagaradjane, P.; Deorukhkar, A.A.; Goins, B.; Bao, A.; Phillips, W.T.; Wang, Z.; Schwartz, J.; Krishnan, S. "Integrin $\alpha_v\beta_3$ -targeted Gold Nanoshells Augment Tumor Vasculature-Specific Imaging and Therapy", *Int. J. Nanomedicine*, 6, 259-269, 2011. PMID: 21423588
- **Xie, H.**; Wang, Z.; Bao, A.; Goins, B.; Phillips, W.T. "In vivo PET Imaging and Biodistribution of Radiolabeled Gold Nanoshells in Rats with Tumor-Xenografts", *Int. J. Pharm.*, 395 (1-2), 324-330, 2010. PMID: 20540999

See full list of publication at:

<http://www-ncbi-nlm-nih.gov.ezproxyhost.library.tmc.edu/pubmed/?term=huan+xie>

Patent:

- **Xie, H.;** Liang, S.; Cox, M.B.; Neckers, L.; "Intravenous Water Soluble Formulation of MJC13-A novel lead compound for the treatment of castrate-resistant prostate cancer (CRPC)" (U.S. Application No. 61/788,716)