RESEARCH EXPERIENCE

- Research Scientist, Department of Pharmaceutical Sciences, State University of New York at Buffalo, 2011~present
- Associate Research Fellow, Department of Pharmacokinetics, Institute of Clinical Pharmacology of Peking University, 2003~2010

EDUCATION

• Equivalent of a Master's Degree in Pharmacology and a Bachelor's Degree in Chemistry from Regionally Accredited University in the United States

PEER-REVIEWED JOURNAL PUBLICTIONS

- Ming Zhang, B An, Y Qu, S Shen, W Fu, YJ Chen, X Wang, R Young, JM Canty Jr, JP Balthasar, K Murphy, D Bhattacharyya, J Josephs, L Ferrari, S Zhou, S Bansal, F Vazvaei, J Qu. Sensitive, high-throughput, and robust trapping-micro-LC-MS strategy for the quantification of biomarkers and antibody biotherapeutics. *Anal. Chem.* 2018, 90, 3, 1870-1880.
- M Ma, S Huo, Ming Zhang, S Qian, X Zhu, J Pu, S Rasam, C Xue, S Shen, B An, J Wang, J Qu. Whole-tissue Mapping of> 5000 proteins by Micro-scaffold Assisted Spatial Proteomics (MASP)
- 3. Shichen Shen, **Ming Zhang**, Min Ma, Sailee Rasam, David Poulsen, Jun Qu. Potential neuroprotective mechanisms of methamphetamine treatment in traumatic brain injury defined by large-scale ionstar-based quantitative proteomics. *International journal of molecular sciences*. 22 (5), 2246
- RS Jones, C Tu, Ming Zhang, J Qu, ME Morris. Characterization and proteomictranscriptomic investigation of monocarboxylate transporter 6 knockout mice: evidence of a potential role in glucose and lipid metabolism. *Molecular pharmacology*. 96 (3), 364-376
- 5. B An, Ming Zhang, J Pu, S Shen, Y Qu, YJ Chen, S Huo, X Wang, JR Polli, JP Balthasar, D Herzog, L Ferrari, RF Staack, WF Richter, MB Otteneder, LJ Benincosa, S Zhou, F Vazvaei, J Qu. High-throughput, sensitive LC-MS quantification of biotherapeutics and biomarkers using an antibody-free, peptide-level multiple-mechanism enrichment via strategically regulated pH, ionic and solvent strengths. *Anal. Chem.* 2019, 91, 5, 3475-3483.
- M Qu, B An, S Shen, Ming Zhang, X Shen, X Duan, JP Balthasar, J Qu. Qualitative and quantitative characterization of protein biotherapeutics with liquid chromatography mass spectrometry. *Mass Spectrom. Rev.* 36 (6), 734-754.
- Bo An, Ming Zhang, Robert W. Johnson, and Jun Qu. Surfactant-aided precipitation/ on-pelletdigestion (SOD) procedure provides robust and rapid sample preparation for reproducible, accurate and sensitive LC/MS quantification of therapeutic protein in plasma and tissues. *Anal. Chem.* 2015, 87, 4023–4029.
- 8. Bo An, **Ming Zhang**, and Jun Qu. Toward sensitive and accurate analysis of antibody biotherapeutics by liquid chromatography coupled with mass spectrometry. *Drug Metab Dispos.*

2014, November, 42:1858–1866.

- Chengjian Tu, Quanhu Sheng, Jun Li, Xiaomeng Shen, Ming Zhang, Yu Shyr and Jun Qu. ICan: An optimized ion-current-based quantification procedure with enhanced quantitative accuracy and sensitivity in biomarker discovery. *J. Proteome Res.* 2014, 13, 5888–5897
- E Nouri-Nigjeh, Ming Zhang, Ji T, Yu H, An B, Duan X, Balthasar J, Johnson RW, Qu J. Effects of calibration approaches on the accuracy for LC-MS targeted quantification of therapeutic protein. *Analytical Chemistry*. 2014;86:3575
- Tu C, Li J, Sheng Q, Ming Zhang, Qu J. Systematic assessment of survey scan and MS2-based abundance strategies for label-free quantitative proteomics using high-resolution MS data. *Journal of Proteome Res*.2014;13:2069
- 12. D Horakova, R Zivadinov, B Weinstock-Guttman, E Havrdova, J Qu, M Taman-Blanco, D Badgett, M Tyblova1, N Bergsland, S Hussein, L Willis, J Krasensky, M Vaneckova, Z Seidl, P Lelkova, M G. Dwyer, Ming Zhang, Haoying Yu, X Duan, T Kalincik, M Ramanathan. Environmental factors associated with disease progression after the first demyelinating event: results from the multi-center set study. *PLoS One*. 2013; 8: e53996
- 13. J Wang, Y Xiao, Y Lu, Z Kang, **Ming Zhang**, Y Liu, J Liang, M Zhang and T Li. Pharmacokinetics of antofloxacin hydrochloride in healthy male subjects after multiple intravenous dose administration.*Xenobiotica*.2011;41:561
- Lu Yuan, Kang zi-sheng, Zhu yan, Ming Zhang, Liu Yan, Zhang Man, Li Tian-yun and Xiao yong-hong. Pharmacokinetic study of single and multiple oral dose administration of antofloxacin hydrochloride in healthy male volunteers. *Chinese Medical Journal*. 2011;124: 242
- 15. Wang Jin, Xiao Yonghong, Lu Yuan, Kang Zisheng, Ming Zhang, et al. Pharmacokinetics of antofloxacin hydrochloride, a novel fluoroquinolone, after single-dose intravenous administration in healthy Chinese male volunteers. *Xenobiotica*. 2010; 40:344
- Zhou Xin-teng, Wei Min-ji, Shi Xiao-dong, Jiang Si-bo, Ming Zhang, et al. Evaluation in vitro and in vivo of nifedipine controlled-release tablets. *Chinese Journal of Hospital Pharmacy*. 2010; 7:553-557
- Zhao Cai-yun, Lu Yuan, Wei Min-ji, Zhang Pu, Ming Zhang, et al. Pharmacokinetics of singledose astromicin sulfate in Chinese healthy volunteers. *The Chinese Journal of Clinical Pharmacology*.2010; 26:251
- Lu Yuan, Cui Hong, Kang Zi-sheng, Ming Zhang, et al. Bioequivalence of amlodipine besylate tablets in Chinese healthy volunteers. *The Chinese Journal of Clinical Pharmacology*. 2009; 25:34
- 19. Zhou Xin-teng, Wei Min-ji, Shi Xiaodong, **Ming Zhang**, et al. Pharmacokinetics and bioequivalence study of nifedipine controlled-release tablets after multiple doses administration in healthy volunteers. *Chinese Journal of Modern Applied Pharmacy*. 2009;26:924
- 20. Wei Min-Ji, Zhao Cai-Yun, Lu Yuan, Zhang Pu, **Ming Zhang**, et al . Determination of erythromycylamine in human serum by high performance liquid chromatography with precolumn derivatization. *Chinese Journal of Analytical Chemistry*. 2009; 37:907
- 21. Wei Min-ji, Zhao Xiu-li, Wang Hong-yu, Wu Feng, Zhang Pu, Ming Zhang, et al.

Pharmacokinetics of three combinations of bisoprolol with hydrochlorothiazide in healthy volunteers. *Chinese Pharmaceutical Journal*. 2009; 44: 1913

- 22. Yonghong Xiao, Yuan Lu, Zisheng Kang, **Ming Zhang**, et al. Pharmacokinetics of antofloxacin hydrochloride, a new fluoroquinolone antibiotic, after single oral dose administration in Chinese healthy male volunteers. *Biopharmcetics & Drug Disposition*. 2008; 29:167
- 23. Xiao Yong-hong, Wang Qi, **Ming Zhang**, et al. In vitro antibacterial effects of fusidic acid against Staphylococus spp. *Chinese Journal of Antibiotics*. 2008; 33: 172
- 24. Ge Zhaohui, Wang Zili, Wei Minji, **Ming Zhang**, et al. RP-HPLC determination of isoniazid in the focus of spinal tuberculosis. *Journal of Spinal Surgery*.2008; 6: 165
- 25. Wang Jin, Xiao Yong-hong, Zhan Wei, Lu Yuan, Kang Zi-sheng, Ming Zhang, et al.. Pharmacokinetics of multiple-dose pazufloxacin mesilate sodium chloride injection in Chinese healthy volunteers. *The Chinese Journal of Clinical Pharmacology*. 2007;23: 24
- 26. Wei Min-ji, Zhao Cai-yun, Qi Hui-min, Lu Yuan, Zhang Pu, Ming Zhang, et al.. Pharmacokinetics of sulbactam/ cefoperazone (1:1) in healthy adult and old people. *The Chinese Journal of Clinical Pharmacology*. 2007;23: 28
- Wang Jin, Xiao Yong-hong, Lu Yuan, Kang Zi-sheng, Ming Zhang, et al. Pharmacokinetics of single-dose ceftriaxone/sulbactam (4:1) injection in Chinese healthy volunteers. *Chinese Journal of Antibiotics*. 2007; 32:172
- Wang Shan, Wei Min-ji, Zhang Pu, Lu Yuan, Liu Yan, Ming Zhang, et al. Bioequivalence of acetaminophen plus pseudoephedrine hydrochloride dispersible tablets for children in healthy volunteers. *The Chinese Journal of Clinical Pharmacology*. 2007; 23:332
- 29. Wang Jin, Xiao Yong-hong, Lu Yuan, Kang Zi-sheng, **Ming Zhang**, et al. Tolerability and pharmacokinetics of multiple-dose Ceftriaxone/Sulbactam (4:1) injection in Chinese health volunteers. *Chinese Journal of Clinical Pharmacology and Therapeutics*. 2006;11: 458
- Wang Jin, Xiao Yong-hong, Lu Yuan, Kang Zi-sheng, Ming Zhang, et al.. Pharmacokinetics of single-dose pazufloxacin mesilate sodium chloride injection in Chinese healthy volunteers. *Chinese Journal of New Drugs*. 2006; 15: 821
- 31. Wei Min-ji, Zhang Pu, Wang Shan, **Ming Zhang**. HPLC determination of low concentration of pseudoephedrine hydrochloride in human serum. *Chinese Journal of Pharmaceutical Analysis*. 2005;25: 512
- Ge Zhaohui, Wang Zili, Wei Minji, Ming Zhang. Study on the affected vertebrae level determination of rifampicin in spinal tuberculosis by HPLC. *Journal of Spinal Surgery*. 2005;3: 158

CONFERENCE PUBLICATION/ABSTRACTS

- Ming Zhang, Bo An, Jun Qu. Spatially-Resolved, 3D-Printed Micro-Sampling Coupled to Sensitive Nano-LC-MS to Quantify the Absolute Levels of Heterogeneous Distribution of mAb/Targets in Tissues. American Society for Mass Spectrometry (ASMS) Annual Meeting, Atlanta, 2019, United States.
- 2. Shichen Shen, Shuo Qian, Min Ma, Ming Zhang, Jun Qu. IonStar.Mine: Extending Quantitative Depth of IonStar by High-Resolution MS1-Based Feature Matching. American Society for

Mass Spectrometry (ASMS) Annual Meeting, Atlanta, 2019, United States.

- Chao Xue, Jie Pu, Shihan Huo, Xiaoyu Zhu, Ming Zhang, Jun Qu. A New Preparation Method Enabling Targeted Quantification of Biotherapeutics, Biomarker/Target Levels in FFPE Tissues with High Protein Recovery and Reproducibility. American Society for Mass Spectrometry (ASMS) Annual Meeting, Atlanta, 2019, United States.
- Xiaoyu Zhu, Ming Zhang, Jie Pu, Shihan Huo, Chao Xue, Jun Qu. Investigation of Ocular Tissue Disposition of Antibody-Drug Conjugates Using Novel LC-MS-Based Strategies. American Society for Mass Spectrometry (ASMS) Annual Meeting, Atlanta, 2019, United States.
- Shichen Shen, Min Ma, Ming Zhang, David Poulsen, Jun Qu. Spatially-Resolved Neuroproteomics with IonStar Reveals Differential Landscapes of Signal Transduction Dysregulation in a Rat Ischemic Stroke Model. American Society for Mass Spectrometry (ASMS) Annual Meeting, Atlanta, 2019, United States.
- Jie Pu, Shihan Huo, Chao Xue, Ming Zhang, Jun Qu. Investigation of Tissue Distributions of Therapeutic Monoclonal Antibody with Cassette Dosing Strategy and Novel LC/MS Based Method. American Society for Mass Spectrometry (ASMS) Annual Meeting, Atlanta, 2019, United States.
- Shihan Huo, Jie Pu, Ming Zhang, Xiaoyu Zhu, Jun Qu. High-Resolution Isolation LC/SRM-MS Enabled Improved Selectivity via the Isolated Isotopic Precursor/ Product Transitions. American Society for Mass Spectrometry (ASMS) Annual Meeting, Atlanta, 2019, United States.
- Ming Zhang, Bo An, Jun Qu. An Improved, Selective Trapping Micro-LC/MS for Ultra-Sensitive, Robust and High-Throughput Quantification of Biotherapeutics and Biomarkers in Plasma and Tissues. American Society for Mass Spectrometry (ASMS) Annual Meeting, San Diego, 2018, United States.
- Shichen Shen, Ming Zhang, Jennifer Osei, Sailee Rasam, David J Poulsen, Jun Qu. Large-Scale IonStar-Based Quantification of Cortex and Hippocampus Proteomes Revealed Novel Neuroprotective Mechanisms of Two Drug Candidates Against Traumatic Brain Injury. American Society for Mass Spectrometry (ASMS) Annual Meeting, San Diego, 2018, United States.
- Shihan Huo, Bo An, Ming Zhang, Yang Qu, Jun Qu. A Promising Alternative to SRM: Very-High-Resolution Selected-Ion-Monitoring (vHR-SIM@500k) Enables Ultra- Sensitive and Selective Biotherapeutics Quantification in Biomatrics. American Society for Mass Spectrometry (ASMS) Annual Meeting, San Diego, 2018, United States.
- 11. Bo An, Ming Zhang, Jun Qu. Sub-ng/ml-Sensitivity for mAb Quantification Without Antibody-Enrichment and Application to Investigate Solid Tumor Penetration and Effector Cell Activation/ Retention By Bi-Specific Antibody(bs-Ab). American Society for Mass Spectrometry (ASMS) Annual Meeting, San Diego, 2018, United States.
- 12. Jie Pu, Bo An, Ming Zhang, Yang Qu, Jun Qu. A Novel and Universally-Applicable Antibody Free Multiple-Mechanism Peptide Level Enrichment Strategy for High Sensitive Target Protein Quantification. American Society for Mass Spectrometry (ASMS) Annual Meeting, San Diego, 2018, United States.
- Chao Xue, Bo An, Ming Zhang, Yang Qu, Jun Qu. Important Considerations for LC/MS-Based Analysis of Tissue Distributions of Therapeutic Monoclonal Antibody. American Society for Mass Spectrometry (ASMS) Annual Meeting, San Diego, 2018, United States.

- 14. Bo An, Ming Zhang, Yang Qu, Jun Qu. Robust sub-ng/mL Sensitivity for Protein Biotherapeutics Quantification without Immunoaffinity Enrichment, using a Novel and Universally-Applicable Dual-Mechanism Enrichment Strategy. American Society for Mass Spectrometry (ASMS) Annual Meeting, Indianapolis, 2017, United States.
- 15. Bo An, Ming Zhang, Yuan-ju Chen, Jun Qu. A Promising Alternative to SRM-Very-High-Resolution Selected-Ion- Monitoring (vHR-SIM@500k) Enables Ultra-Sensitive and Selective Biotherapeutics. American Society for Mass Spectrometry (ASMS) Annual Meeting, Indianapolis, 2017, United States.
- 16. Bo An, Ming Zhang, Yang Qu, Jun Qu. An Improved, Selective Trapping Micro-LC/MS for Ultra-Sensitive, Robust and High-Throughput Quantification of Biotherapeutics and Biomarkers in Plasma and Tissues. American Society for Mass Spectrometry (ASMS) Annual Meeting, Indianapolis, 2017, United States.
- 17. Bo An, Ming Zhang, Yang Qu, Yuan-ju Chen, Jun Qu. A Novel LC/MS-based Pipeline Enabling Comprehensive Investigation of Tumor/Tissue Disposition of Antibody-Drug-Conjugate, in vivo DAR, Free Toxin and Antigen Turnover. American Society for Mass Spectrometry (ASMS) Annual Meeting, Indianapolis, 2017, United States.
- Ming Zhang, Bo An, Yuan-ju Chen, Yang Qu, Jun Qu. Large-scale and Ultra-Sensitive Investigation of Biotherapeutics by A Novel Antibody-Free, Dual-Mechanism Enrichment Strategy. American Society for Mass Spectrometry (ASMS) Annual Meeting, San Antonio, 2016, United States.
- Wei Fu, Bo An, Ming Zhang, Yang Qu, Jun Qu. Novel Sample Treatment and LC/MS Strategies Achieved Highly Accurate and Sensitive Investigation of Tissue Distributions of Therapeutic Monoclonal Antibody. American Society for Mass Spectrometry (ASMS) Annual Meeting, San Antonio, 2016, United States.
- 20. Yang Qu, Bo An, Ming Zhang, Xiaomeng Shen, Shichen Shen, Jun Li, Jun Qu. A promising alternative to SRM-very-high-resolution selected-ion- monitoring (vHR-SIM@500k) enables ultra-sensitive and selective biotherapeutics quantification in biomatrices. American Society for Mass Spectrometry (ASMS) Annual Meeting, San Antonio, 2016, United States.
- Bo An, Ming Zhang, Yang Qu, Jun Qu. A Novel Antibody-Free, Dual-Mechanism Enrichment Method for High-Throughput and Ultra-Sensitive Quantification of mAb. American Society for Mass Spectrometry (ASMS) Annual Meeting, Missouri, 2015, United States.
- 22. Ming Zhang, Bo An, *et al.* A Trapping Micro-LC/MS for Ultra-Sensitive, Robust and High-Throughput Quantification of Therapeutic Monoclonal Antibodies in Complex Matrices. American Association of Pharmaceutical Scientists (AAPS) Meeting and Exposition, California, 2014, United States.
- 23. Ming Zhang, Yang Qu, et al. A Novel Antibody-Free, Dual-Mechanism Enrichment Method for High-Throughput and Ultra-Sensitive Quantification of Antibody Biotherapeutics. American Association of Pharmaceutical Scientists (AAPS) Meeting and Exposition, California, 2014, United States.
- 24. **Ming Zhang**, Bo An, *et al.* Towards Accurate and Sensitive Investigation of Tissue Distribution of Therapeutic Monoclonal Antibody via a Novel LC/MS-based Method. American Association of Pharmaceutical Scientists (AAPS) Meeting and Exposition, California, 2014, United States.
- 25. Bo An, **Ming Zhang**, Jun Qu. A surfactant-aided precipitation/on-pellet-digestion (SOD) procedure provides an optimal sample preparation for sensitive, reproducible and robust LC/MS quantification of therapeutic protein in plasma and tissues. American Association of

Pharmaceutical Scientists (AAPS) Meeting and Exposition, California, 2014, United States.

- 26. **Ming Zhang**, An Bo, *et al.* Towards accurate and sensitive investigation of tissue distribution of therapeutic monoclonal antibody via a novel LC/MS-based method. American Society for Mass Spectrometry (ASMS) Annual Meeting, Maryland, 2014, United States
- 27. Eslam Nouri, **Ming Zhang**, *et al.* Trapping micro-LCMS/MS isotope dilution mass spectrometry in the high throughput and ultra-sensitive quantification of serum vitamin D metabolites. American Society for Mass Spectrometry (ASMS) Annual Meeting, Maryland, 2014, United States
- An Bo, Ming Zhang, et al. Surfactant-aided precipitation/on-pellet-digestion for straightforward, efficient and reproducible sample preparation for targeted quantification of mAb in plasma and tissues. American Society for Mass Spectrometry (ASMS) Annual Meeting, Maryland, 2014, United States
- 29. Tu Chenjian, Jun Li, Quanhu Shen, **Ming Zhang**, Jun Qu. Systematic assessment of survey scan- and MS2- based abundance strategies for label-free quantitative proteomics using high-resolution MS data. American Society for Mass Spectrometry (ASMS) Annual Meeting, Maryland, 2014, United States
- **30.** Ming Zhang, Shichen Shen, Jun Qu. Strategies for calibration and signature peptide selection are critical for accurate absolute quantification of therapeutic monoclonal antibodies in pharmaceutical matrices. American Association of Pharmaceutical Scientists (AAPS) Meeting and Exposition, Texas, 2013, United States
- 31. **Ming Zhang,** Eslam Nouri-Nigheh, Haoying Yu, et al. Towards accurate and sensitive investigation of tissue distribution of therapeutic monoclonal antibody via a novel LC/MS-based method. American Association of Pharmaceutical Scientists (AAPS) Meeting and Exposition, Texas, 2013, United States
- 32. Eslam N.Nigheh, Sidddarth Sukumaran, Chengjian Tu, Jun Li, Ming Zhang, Samuel Woppler, Haoying Yu, et al. An extensive and reproductive ion-current-based method enabled large-scale proteomic assessment of corticosteroid treatment in 60 animals. American Association of Pharmaceutical Scientists (AAPS) Meeting and Exposition, Texas, 2013, United States
- 33. Ming Zhang, Haoying Yu, Eslam Nouri-Nigjeh, et al. Strategies for calibration and signature peptide selection are critical for absolute quantification of monoclonal antibodies in pharmaceutical matrices. American Society for Mass Spectrometry (ASMS) Annual Meeting, Minnesota, 2013, United States
- 34. Ming Zhang, Lipeng Dai, Haoying Yu, Jun Qu. Ultrasensitive high-throughput and robust quantification of monoclonal antibodies in tissues and plasma using a novel trapping-micro-LC/MS strategy and OAO optimization. American Society for Mass Spectrometry (ASMS) Annual Meeting, Vancouver, 2012, Canada
- 35. Haoying Yu, Ming Zhang, Jun Qu. Ultrasensitive, high-throughput and robust quantification of vitamin-D metabolites in clinical samples using a novel trapping-micro-LC/MS strategy and selective SPE. American Society for Mass Spectrometry (ASMS) Annual Meeting, Vancouver, 2012, Canada
- 36. Zhao Caiyun, Lu Yuan, Wei Minji, Kang Zisheng, Ming Zhang, Liu Yan, Zhang Man. Pharmacokintics study of Ampiroxicam tablets after a single dose administration in healthy volunteers. Proceedings of the 13th National Clinical Pharmacology Academic Conference

Papers Series. Chengdu, 2012, China

- 37. Kang Zi-sheng, Zhao Cai-yun, Wei Min-ji, **Ming Zhang**, et al. Bioequivalence study of mizolastine tablets in healthy volunteers. Proceedings of China Pharmaceutical Conference and the Tenth China Pharmacist Week Paper Series, Tianjin, 2010, China.
- 38. Zhao Cai-yun, Lu Yuan, Wei Min-ji, Kang Zi-sheng, Ming Zhang, et al. Study on bioequivalence of domestic and imported mizolastine tablets in healthy volunteers. The Proceeding of the 8th National Conference of Clinical Pharmacology on Antimicrobial Agents, Beijing, 2010, China.
- 39. Kang Zi-sheng, Zhao Cai-yun, Wei Min-ji, Ming Zhang, et al. Study on bioequivalence of mizolastine tablets in healthy volunteers. The Proceedings of 2009 China Pharmaceutical Conference and the Ninth China Pharmacist Week Paper Series, Changsha, 2009, China
- 40. Zhaohui Ge, Zili Wang, Minji Wei, **Ming Zhang**, et al. RP-HPLC method study of isoniazid concentration in spinal tuberculosis. Second National Symposium of bone and joint Tuberculosis, Yinchuan, 2008, China
- 41. Min-ji Wei, Zhao Xiuli, Wang Shumin, Zhang Pu, Ming Zhang. Pharmacokinetics study of Dzopiclone in healthy volunteers after single and multiple oral dose administration. The 11th National Congress of Clinical Pharmacology, Guangzhou, 2008, China
- Kangzi Sheng, Ming Zhang, Yuan LV. HPLC method study of antofloxacin concentration in human serum. 7th National Conference of Clinical Pharmacology on Antimicrobial Agents, Beijing, 2008, China
- 43. Wei Minji, Zhao Xiuli, Wang Shumin, Wu Feng, Liu Wenhong, Wan Shuming, Zhang Pu, Ming Zhang, Li Jiajing, Hu Dayi, et al. Pharmacokinetics study of three fractions of Bisoprolol / hydrochlorothiazide in healthy volunteers. The 11th National Congress of Clinical Pharmacology, 2008, Guangzhou, China
- 44. Zhao Caiyun, Lu Yuan, Zhang Pu, Wei Minji, Ming Zhang, Liu Yan, Liang Jun, Xia Yahong, Zhang Man, Li Tianyun, Xiao Yonghong. Pharmacokinetics study of Astromicin Sulfate in healthy volunteers. The 11th National Congress of Clinical Pharmacology, 2008, Guangzhou, China
- 45. Lu Yuan, Cui Hong, Kang Zisheng, Ming Zhang, Wang Zhe, Liu Yan, Zhang Man, Xiao Yonghong. Tolerability and pharmacokinetics of antofloxacin hydrochloride 300mg single dose after fasting and postprandial in healthy volunteers. 7th National Conference of Clinical Pharmacology on Antimicrobial Agents, 2008, Beijing, China
- 46. Hou Fang, Lu Yuan, Kang Zisheng, Ming Zhang, Liu Yan, Zhang Man, Li Tianyun, Xiao Yonghong. Pharmacokinetics study of pazufloxacin mesilate after multiple dosing administration in healthy volunteers. The 11th National Congress of Clinical Pharmacology, 2008, Guangzhou, China
- 47. Qi Wang, **Ming Zhang**, et al. In vitro antibacterial study of fusidic acid. 6th National Conference of Clinical Pharmacology on Antimicrobial Agents, Beijing, 2006, China
- 48. Minji Wei, Zhao Caiyun, Qi Huimin, Lu Yuan, Zhang Pu, Ming Zhang, Liu Yan, Li Tianyun, Wang Pengyuan, Liu Yucun, Li Jiatai. Pharmacokinetics study of Sulperazon® in healthy adult and elderly people after multiple dose administrations. 6th National Conference of Clinical

Pharmacology on Antimicrobial Agents, Beijing, 2006, China

- 49. Hou Fang, Lu Yuan, Kang Zisheng, Ming Zhang, et al. Pharmacokinetics study of pazufloxacin mesilate in healthy volunteers after a single dose administration. 6th National Conference of Clinical Pharmacology on Antimicrobial Agents, Beijing, 2006, China
- 50. Wei Minji, Zhang Pu, Wang Shan, Ming Zhang, Gao Lei, Xiao Yonghong. Pre-column derivatization HPLC-UV method for determination of vertilmicin serum levels. 6th National Conference of Clinical Pharmacology on Antimicrobial Agents, Beijing, 2006, China.
- 51. Wei Minji, Zhang Pu, Wang Shan, Ming Zhang, Gao Lei, Xiao Yonghong. Pre-column derivatization HPLC-UV method for determination of vertilmicin serum and urine levels. 6th National Conference of Clinical Pharmacology on Antimicrobial Agents, Beijing, 2006, China
- 52. Li Xiangyan, Lu Yuan, Liu Yan, Zhang Man, Xia Yahong, Liang Jun, Zhang Pu, Ming Zhang, Li Tianyun, Xiao Yonghong. Pharmacokinetics study of flucloxacillin sodium after a single dose administration in healthy volunteers. 6th National Conference of Clinical Pharmacology on Antimicrobial Agents, Beijing, 2006, China
- 53. Wang Jin, Xiao Yong-hong, Lu Yuan, Kang Zi-sheng, Ming Zhang, et al. Pharmacokinetics of single-dose ceftriaxone/sulbactam(4:1) injection in Chinese healthy volunteers. 6th National Conference of Clinical Pharmacology on Antimicrobial Agents, Beijing, 2006, China

CONFERENCE KEYNOTE PRESENTATION

- Bo An, Ming Zhang, Jun Qu. Spatially-Resolved Tissue Micro-Sampling Coupled to Sensitive Nano-LC-MS to Determine the Heterogeneous Distribution of mAb and Targets in Tissues. American Society for Mass Spectrometry (ASMS) Annual Meeting, San Diego, 2018, United States.
- Bo An, Ming Zhang, Yang Qu, Jun Qu. Important Considerations for LC/MS-based Analysis of Tissue Distributions of Therapeutic Monoclonal Antibody. American Society for Mass Spectrometry (ASMS) Annual Meeting, Indianapolis, 2017, United States.
- Bo An, Ming Zhang, Yang Qu, Jun Qu. A Trapping micro-LC/MS for Ultra-sensitive, Robust and High-Throughput Quantification of Biotherapeutics and Biomarkers in Complex Matrices. American Society for Mass Spectrometry (ASMS) Annual Meeting, San Antonio, 2016, United States.
- Ming Zhang, Bo An, Haoying Yu, Jun Qu. Novel sample treatment and LC/MS strategies achieved highly accurate and Sensitive Investigation of Tissue Distributions of Therapeutic Monoclonal Antibody. American Society for Mass Spectrometry (ASMS) Annual Meeting, Missouri, 2015, United States
- Ming Zhang, Lipeng Dai, Haoying Yu, Jun Qu. Ultrasensitive high-throughput and robust quantification of monoclonal antibodies in tissues and plasma using a novel trapping-micro-LC/MS strategy and OAO optimization. American Society for Mass Spectrometry (ASMS) Annual Meeting, Vancouver, 2012, Canada

JOURNAL EDITORIAL/ADVISORY BOARD

• Editorial Advisory, Journal of Pharmaceutical Sciences, 2017~present

- Scientific Advisor, Journal of Pharmaceutical Sciences, 2013~2016
- Editor, The Chinese Journal of Clinical Pharmacology, 2009-2010

REVIEWED INTERNAIONAL JOURNALS/ CONFERENCE

- 1. British Journal of Pharmacology
- 2. Journal of Pharmaceutical Sciences
- 3. Clinical Pharmacology in Drug Development
- 4. Xenobiotica
- 5. Biopharmaceutics & Drug Disposition
- 6. Journal of Clinical Pharmacy and Therapeutics
- 7. American Association of Pharmaceutical Scientists (AAPS) Annual Meeting and Exposition

<u>GRANTS</u>

- United States Department of Defense Multiple Sclerosis Research Program
- National High-tech R&D Program of China

RESEARCH APPLICATIONS

NEW OR GENERIC DRUGS FOR CHINA FDA APPROVED

- 1. Antofloxacin Hydrochloride
- 2. Nifedipine Controlled-Release Tablets
- 3. Astromicin Sulfate
- 4. Amlodipine Besylate Tablets
- 5. Pseudoephedrine Hydrochloride Dispersible Tablets
- 6. Pazufloxacin Mesilate
- 7. Bisoprolol Hydrochlorothiazide
- 8. Mizolastine
- 9. Ampiroxicam
- 10. Vertilmicin
- 11. Zopiclone
- 12. Flucloxacillin