

Publications:

Small molecule

- Chengjie Ji, Wenlin Li, Xiao-dan Ren, Ayman F El-Kattan, Rouba Kozak, Scott Fountain and Christopher Lepsy “Diethylation Labeling Combined with UPLC/MS/MS for Simultaneous Determination of a Panel of Monoamine Neurotransmitters in Rat Prefrontal Cortex Microdialysates” *Anal. Chem.* 2008, 80, 9298–9309.
- Chengjie Ji, Justin Walton, Yi Su and Max Tella, “Simultaneous Determination of Plasma Epinephrine and Norepinephrine Using an Integrated Strategy of a Fully Automated Protein Precipitation Technique, Reductive Ethylation Labeling and UPLC-MS/MS”, *Analytica Chimica Acta* 2010, 670, 84-91
- G. Zhang, Y. Zhang, C. Ji, T. McDonald, J. Walton, E.A. Groeber, R.C. Steenwyk, and Z. Lin, Ultra sensitive measurement of endogenous epinephrine and norepinephrine in human plasma by semi-automated SPE-LC-MS/MS. *J. Chromatogr. B Analyt. Technol. Biomed. Life Sci.* 2012, 895-896 186-90.

Protein

- Chengjie Ji and Gary Wei. Deglycosylation induces extensive dynamics changes in α -amylase revealed by hydrogen/deuterium exchange mass spectrometry. *Rapid Commun. Mass Spectrom.* 2013, 27, 2625–2630
- Chengjie Ji, Jeffery Zhu, Qian Li, and Yankun Li. [The Development of a Fully Customized HDX-MS Platform with Exceptional Performance](#). ASMS Annual Conference, 2016
- Chengjie Ji, Qian Li, and Yankun Li. [Protease Type XVIII Columns for Enhanced Digestion Efficiency and Sequence Resolution for Protein HDX Monitored by Q Exactive MS](#). ASMS Annual Conference, 2016
- Yuhuan Ji; Joshuaine Toth; Tammy Bigwarfe; Chao Zheng; Margit MacDougall; Qian Li; Jian Shi; Vladimir Papov; Peng Sun; Ryan Fryer; John Chen; Laixin Wang; Chengjie Ji. [Development and Qualification of a Sensitive and Robust Immunoaffinity UPLC-MRM MS Method for Quantitative Measurement of Angiotensin-1 in Monkey Plasma](#). ASMS Annual Conference, 2017

Oligonucleotide

- Laixin Wang & Chengjie Ji. Advances in quantitative bioanalysis of oligonucleotide biomarkers and therapeutics. *Bioanalysis*, 2015, 8(2), 143-155
- Yuhuan Ji; Laixin Wang; Qian Liu; Qian Li; Ji Chengjie. [Novel SPE Extraction Method for Sensitive and High Throughput Quantitative Analysis of Phosphorothioate Oligonucleotides in Human Plasma Using LC-MS/MS](#). ASMS Annual Conference, 2016
- Yuhuan Ji; Qian Liu; Qian Li; Ji Chengjie; Laixin Wang. [Comparison of Q-Tof, Q-Exactive and Triple Quad for Quantitative Bioanalysis of Oligonucleotide Therapeutics](#). ASMS Annual Conference, 2016

Others

Yuhuan Ji, Qian Li, Jian Shi, John Chen, Chengjie Ji and Laixin Wang; Mo Qatanani and Meng Chen. Sensitive and Specific Determination of N-Linked Oligomannoses in Mouse Plasma and Brain Tissue Using LC-HRAM Method. ASMS Annual Conference, 2017