

# Curriculum Vitae

**Name:** Fengguo Xu, PhD

**Present Appointment:**

Professor

Jiangsu Specially-Appointed Professor

China Pharmaceutical University



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**Research Areas:**

- ◆ Metabolomics and Lipidomics
- ◆ Active ingredients quality control of TCMs,
- ◆ Pharmacokinetics and ADME/T
- ◆ Biomedical Analysis

**Academic Quantifications:**

- ◆ Mar.2012-now Professor, Jiangsu Specially-Appointed Professor, Key Laboratory of Drug Quality Control and Pharmacovigilance (Ministry of Education) & Department of Pharmaceutical Analysis, China Pharmaceutical University
- ◆ Sept.2008-Feb.2012 Research Fellow, Department of Epidemiology and Public Health, National University of Singapore;
- ◆ Sept.2005-June.2008 PhD, Key Laboratory of Drug Quality Control and Pharmacovigilance (Ministry of Education) & Center for instrumental analysis, China Pharmaceutical University, Nanjing, China;
- ◆ Sept.2002-June.2005 MSc, Center for instrumental analysis, China Pharmaceutical University, Nanjing, China;
- ◆ Sept.1998-June.2002 B.Sc, School of Pharmacy, China Pharmaceutical University, Nanjing, China;

### Professional and Consulting Activities:

- ◆ Editorial board member, *Chinese Medical Journal* (SCI, ISSN: 0366-6999), since 2010;
- ◆ Editorial board member, *Bioanalysis* (SCI-E, ISSN: 1757-6180), since 2010;
- ◆ Editorial board member, *Pharmacognosy Magazine* (SCI-E, ISSN: 0973-1296), since 2009;
- ◆ Editorial board member, *Asian Journal of Chemistry* (SCI-E, ISSN 0970-7077), since 2010;
- ◆ Editorial board member, *Asian Journal of Pharmaceutics* (ISSN 0973-8398), since 2010;
- ◆ Associate editor, *Journal of Pharmacy Research* (ISSN 0974-6943)

### Selected Publications:

For full list of publication, please refer to the Web of Science, Research ID: **E-9056-2010**  
(<http://www.researcherid.com/rid/E-9056-2010>)

- [1]. Huang Y, Tian Y, Li G, Li Y, Yin X, Peng C, **Xu F\***, Zhang Z\*. Discovery of Safety Biomarkers for Realgar in Rat Urine Using UFLC-IT-TOF/MS and <sup>1</sup>H-NMR based metabolomics, *Anal Bioanal Chem* 2013 405:4811-22 (SCI, IF 3.778)
- [2]. **Xu F**, Tavintharan S, Sum CF, Woon K, Lim SC, Ong CN. Metabolic Signature Shift in Type 2 Diabetes Mellitus Revealed by Mass Spectrometry-based Metabolomics, *J Clin Endocr Metab* 2013 doi: 10.1210/jc.2012-4132 (SCI, IF 5.967)
- [3]. Huang SM, **Xu F**, Lam SH, Gong ZY, Ong CN\*. Metabolomics of developing zebrafish embryos using gas chromatography- & liquid chromatography-mass spectrometry *Mol. BioSyst.*, 2013 9(6):1372-80 (SCI, IF 3.859)
- [4]. Ho WE, Xu YJ, **Xu F**, Cheng C, Peh HY, Tannenbaum SR, Wong WS, Ong CN\*. Metabolomics Reveals Altered Metabolic Pathways in Experimental Asthma. *Am J Respir Cell Mol Biol*. 48(2):204-11, 2013 (SCI, IF 5.125)
- [5]. Ho WE, Cheng C, Peh HY, **Xu F**, Tannenbaum SR, Ong CN, Wong WS\*. Anti-malarial drug artesunate ameliorates oxidative lung damage in experimental allergic asthma. *Free Radic Biol Med*. 53(3):498-507, 2012 (SCI, IF 5.423)
- [6]. **Xu F**, Zou L, Liu Y, Zhang Z, Ong CN. Enhancement of the capabilities of liquid chromatography-mass spectrometry with derivatization: general principles and applications. *Mass Spectrom Rev*. 2011 30(6):1143-72. (SCI, IF 10.46)
- [7]. Ng DPK\*, Salim A, Liu Y, Zou L, **Xu FG**, Huang S, Leong H, Ong, CN\*. A metabolomic study of low estimated GFR in non-proteinuric type 2 diabetes mellitus. *Diabetologia*. 55(2): 499-508 2012 (SCI, IF 6.73)
- [8]. **Xu FG**, Zou L, Ong CN\*. Experiment-originated variations, and multi-peak and multi-origination phenomena in derivatization-based GC-MS metabolomics. *Trac-Trends in Analytical Chemistry*. 29(3): 269-280 2010 (SCI, IF 6.546)

- [9]. Song R, Xu L, **Xu F**, Li Z, Dong H, Tian Y, Zhang Z\*. In vivo metabolism study of rhubarb decoction in rat using high-performance liquid chromatography with UV photodiode-array and mass-spectrometric detection: a strategy for systematic analysis of metabolites from traditional Chinese medicines in biological samples. *J Chromatogr A*. 1217(45):7144-52 **2010 (SCI, IF 4.101)**
- [10]. **Fengguo Xu**, Li Zou, Qingsong Lin, Choon Nam Ong\*. Use of liquid chromatography tandem mass spectrometry and online databases for identification of phosphocholines and lysophosphatidylcholines in human red blood cells. *Rapid Communications in Mass Spectrometry*, 2009 23(19):3243-54 (**SCI, IF: 2.695**)
- [11]. **Fengguo Xu**, Ying Liu, Zunjian Zhang\*, Rui Song, Haijuan Dong, Yuan Tian. Rapid simultaneous quantification of five active constituents in rat plasma by high-performance liquid chromatography/tandem mass spectrometry after oral administration of *Da-Cheng-Qi* decoction. *Journal of Pharmaceutical and Biomedical Analysis*, 2008, 47(3):586-595 (**SCI, IF: 2.761**)