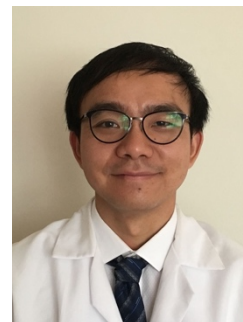


Curriculum Vitae

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EDUCATION

School of Medicine, Emory University, Atlanta, USA
Postdoc. Department of Pathology and Laboratory Medicine 2016-2018
Tutor: Prof. Keqiang Ye
Area of Specialization: Neurobiology and Neuropharmacology

College of Traditional Chinese Medicine (TCM), China Pharmaceutical University,
Nanjing, P. R. China
Ph.D. Medicinal Chemistry 2009-2014
Area of Specialization: Natural products active ingredients research
Tutor: Prof. Wencai Ye (Yangtze River Scholar; Vice-Chancellor of JNU)

College of TCM, Shenyang Pharmaceutical University, Shenyang, P. R. China
B.A. Chinese Materia Medica 2005-2009

RESEARCH INTERESTS

- Cell biology and Molecular biology
- Natural products chemistry: Isolation, characterization, structural elucidation and modification of secondary metabolites from medicinal sources, especially finding active ingredients for neuroprotection from TCM.
- Pharmacological activity evaluation of promising ingredients in Neuroscience.
- Nutrition food and health product development.

PARTIAL PUBLICATIONS

1. Wei Yao#, Qianqian Cao#, **Shilin Luo**#, Lujian He, Chun Yang, Jiaxu Chen, Qi Qi, Kenji Hashimoto, Jichun Zhang. Microglial ERK-NRBP1-CREB-BDNF signaling in sustained antidepressant actions of (R)-ketamine. *Mol Psychiatry*.

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2. Si Huang, Haiyan Yuan, Wenqun Li, Xinyi Liu, Xiaojie Zhang, Daxiong Xiang, **Shilin Luo**. Polygonatum sibiricum Polysaccharides Protect against MPP-Induced Neurotoxicity via the Akt/mTOR and Nrf2 Pathways, *Oxidative Medicine and Cellular Longevity*, 2021, 8843899.
3. Jiaolong Yang, **Shilin Luo**, Jichun Zhang, Ting Yu, Zhihui Fu, Yongfa Zheng, Ximing Xu, Chaoyang Liu, Mingxia Fan, Zhentao Zhang. Exosome-mediated delivery of antisense oligonucleotides targeting α -synuclein ameliorates the pathology in a mouse model of Parkinson's disease. *Neurobiol. Dis.* 2021 Jan; 148:105218. doi: 10.1016/j.nbd.2020.105218.
4. Junyong Wu, Yangjiang Li, Xiongbin Hu, Si Huang, **Shilin Luo**, Tiantian Tang, Daxiong Xiang. Exosomes and biomimetic nanovesicles-mediated anti-glioblastoma therapy: A head-to-head comparison. *J Control Release*, 2021 Aug 10; 336:510-521.
5. Chenxia Sheng, Panpan Xu, Xinyi Liu, Weijun Peng, Daxiong Xiang, **Shilin Luo**. Bushen-Tiansui Formula improves cognitive functions in an A β 1-42 fibril-infused rat model of Alzheimer's disease, *Neural Plasticity*, 2020, 8874885.
6. **Shilin Luo**, Seongsu Kang, Zhihao Wang, Xia Liu, Julia X Day, Zhiping Wu, Junmin Peng, Daxiong Xiang, Wolfdieter Springer, Keqiang Ye. Akt Phosphorylates NQO1 and Triggers its Degradation, Abolishing Its Antioxidative Activities in Parkinson's Disease, *Journal of Neuroscience*, 2019, 39(37): 7291-7305.
7. Wenqun Li, Junyong Wu, Daxiong Xiang, **Shilin Luo**, Xiongbin Hu, Tiantian Tang, Taoli Sun, Xinyi Liu. Micelles Loaded With Puerarin And Modified With Triphenylphosphonium Cation Possess Mitochondrial Targeting And Demonstrate Enhanced Protective Effect Against Isoprenaline-Induced H9c2 Cells Apoptosis. *Int J Nanomedicine*, 2019 Oct 21;14:8345-8360. doi: 10.2147/IJN.S219670.
8. Minzhen Liu, Dongchu Zhou, Qiang Liu, Fuli Xie, Daxiong Xiang, Genyun Tang, **Shilin Luo**. Osteogenesis activity of isocoumarin a through the activation of the

- PI3K-Akt/Erk cascade-activated BMP/RUNX2 signaling pathway, *European Journal of Pharmacology*, 2019, 858: 172480.
9. Shiwen Zhou, Fei Jiang, Yang Yu, Xiuyong Huang, Yongheng Wang, **Shilin Luo**. Atropisomerism of a Podophyllotoxin Derivative: Experimental and Computational Study, *Natural Product Communications*, 2018, 13(6): 735-736.
 10. **Shilin Luo**, Kecheng Lei, Daxiong Xiang, Keqiang Ye. NQO1 Is Regulated by PTEN in Glioblastoma, Mediating Cell Proliferation and Oxidative Stress, *Oxidative Medicine and Cellular Longevity*, 2018, 9146528.
 11. Wenqun Li, Junyong Wu, Jiang Zhang, Jiangjing Wang, Daxiong Xiang, **Shilin Luo**, Jianhe Li, Xinyi Liu. Puerarin-loaded PEG-PE micelles with enhanced anti-apoptotic effect and better pharmacokinetic profile. *Drug Delivery*, 2018 Nov; 25(1):827-837. doi: 10.1080/10717544.2018.1455763.
 12. Xinyi Liu, Yuxiang Ding, Bingjie Zhao, Yuanyuan Liu, **Shilin Luo**, Junyong Wu, Jianhe Li, Daxiong Xiang. In vitro and in vivo evaluation of puerarin-loaded PEGylated mesoporous silica nanoparticles. *Drug Dev. Ind. Pharm.*, 2016, 42(12): 2031-2037.
 13. **Shilin Luo**, Xiaojun Huang, Ying Wang, Renwang Jiang, Lei Wang, Liangliang Bai, Qunlong Peng, Cailu Song, Dongmei Zhang, Wencai Ye. Isocoumarins from American cockroach (*Periplaneta americana*) and their cytotoxic activities. *Fitoterapia*, 2014, 95: 115-120.
 14. Haiyan Tian#, **Shilin Luo**#, Junshan Liu, Lei Wang, Ying Wang, Dongmei Zhang, Xiaoqi Zhang, Renwang Jiang, Wencai Ye. C₂₃ steroids from the Venom of *Bufo bufo gargarizans*. *J. Nat. Prod.*, 2013, 76(10): 1842-1847.
 15. **Shilin Luo**, Haiyan Tian, Junshan Liu, Ying Wang, Wencai Ye. A new C₂₃ steroid and bufadienolides from the Venom of *Bufo bufo gargarizans* and their cytotoxic activities. *Nat. Prod. Commun.*, 2015, 10(8): 1353-1354.
 16. Qianyi Guo, Xiaojun Huang, Bingxin Zhao, Yuqiang Jian, **Shilin Luo**, Ying Wang, Wencai Ye. Five new acylphloroglucinol glycosides from the leaves of *Eucalyptus robusta*. *Nat. Prod. Commun.*, 2014, 9(2): 209-212.