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NAME Haiyun Xu, M.D., Ph.D. Date of birth: 03/16/1962		POSITION TITLE Assistant Professor	
EDUCATION/TRAINING (<i>Begin with baccalaureate or other initial professional education, such as nursing, and include postdoctoral training.</i>)			
INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
College of Medicine, Wuhan University, Wuhan, China	M. D.	9/1979-8/1984	Medicine
College of Medicine, Wuhan University, Wuhan, China	Master	9/1987-7/1990	Anatomy
Peking Union Medical College, Beijing, China	Ph. D.	9/1993-7/1996	Neuroscience

Employment

1984-1987	Teacher in Department of Anatomy, College of Medicine, Wuhan University, Wuhan, China
1990-1993	Lecturer in Department of Anatomy, College of Medicine, Wuhan University, Wuhan, China
1996-1998	Pos-doctoral research fellow, Medical College of Wisconsin, Milwaukee, WI
2000-2002	Pos-doctoral research fellow, Department of Psychiatry, University of Saskatchewan, Canada
2003-8/2006	Professional research associate, Department of Psychiatry, University of Saskatchewan, Canada
9/2006-	Assistant Professor of Anatomy, tenure track, full-time, School of Medicine, Southern Illinois University at Carbondale, IL

Honors

1979-1984	Wuhan University Scholarship
1984	Graduation with high distinction, Wuhan University
1987-1990	Wuhan University Scholarship
1993-1996	Peking Union Medical College Scholarship
2002	Laura E. Chapman Award, Saskatchewan Psychiatry Research Foundation
2003	W.G. Dewhurst Award, CCNP (Canadian College of Neuropsychopharmacology)
2004	Molstad Trust Intramural Research Award, University of Saskatchewan
2005	W.G. Dewhurst Award, CCNP

Professional Societies

American Association of Anatomists
Society of Neuroscience
Schizophrenia International Research Society

Selected peer-reviewed publications (In English Journals)

1. Wong-Riley M, Huang Z, Liebl W, **Xu H**, Zhang C (1998): Neurochemical organization of the macaque retina: effect of TTX on levels and gene expression of cytochrome oxidase and nitric oxide synthase and on the immunoreactivity of Na⁺K⁺ ATPase and NMDA receptor subunit I. *Vision Res.* **38**:1455-1477.
2. Bodurka J, Jesmanowicz A, Hyde JS, **Xu H**, Estkowski L, Li SJ (1999): Current-induced magnetic resonance phase imaging. *J. Magn. Reson.* **137**:265-271.
3. **Xu H**, Li SJ, Bodurka J, Zhao X, Xi ZX, Stein EA (2000): Heroin-induced neuronal activation in rat brain: assessed by functional MRI. *Neuroreport* **11**: 1085-1092.
4. **Xu H**, Qing H, Lu W, Keegan D, Richardson JS, Li XM (2002): Quetiapine attenuates the immobilization stress-induced decrease of brain-derived neurotrophic factor expression in rat hippocampus. *Neurosci. Lett.* **321**:65-68.

Principal Investigator/Program Director (*Last, first, middle*): Xu, Haiyun

5. **Xu H**, Richardson JS, Li XM (2003): Dose-related effects of chronic antidepressants on the neuroprotective proteins BDNF, Bcl-2, and Cu/Zn-SOD in rat hippocampus. *Neuropsychopharmacology* **28**:53-62. (Featured article)
6. Qing H*, **Xu H***, Wei Z, Gibson D, Li XM (2003): The ability of atypical antipsychotic drugs vs. haloperidol to protect PC12 cells against MPP⁺-induced apoptosis. *Eur. J. Neurosci.* **17**:1563-1570.
7. He J, **Xu H**, Yang Y, Zhang X, Li XM (2004): Neuroprotective effects of olanzapine on methamphetamine-induced neurotoxicity are associated with an inhibition of hyperthermia and prevention of Bcl-2 decrease in rats. *Brain Res.* **1018**:186-192.
8. **Xu H**, Richardson JS, Luo C, Li X M (2004): The recovery of hippocampal neurogenesis and BDNF levels, both of which are reduced by repeated restraint stress, is accelerated by chronic venlafaxine. *Pharmacogenomics J.* **4**:322-331.
9. **Xu H**, He J, Richardson JS, Li XM (2004): The response of synaptophysin and microtubule-associated protein 1 to restraint stress in rat hippocampus and its modulation by venlafaxine. *J. Neurochem.* **91**:1380-1388.
10. Luo C, **Xu H**, Li XM (2004): Post-stress changes in BDNF and Bcl-2 immuno-reactivities in hippocampal neurons: effect of chronic administration of olanzapine. *Brain Res.* **1025**:194-202.
11. He J, **Xu H**, Yang Y, Zhang X, Li XM (2005): Chronic administration of quetiapine alleviates the anxiety-like behavioural changes induced by neurotoxic regimen of *dl*-amphetamine in rats. *Behav. Brain Res.* **160**:178-187.
12. He J*, Yang Y*, **Xu H***, Zhang X, Li XM (2005): Olanzapine attenuates the okadaic acid-induced spatial memory impairment and hippocampal cell death in rats. *Neuropsychopharmacology* **30**:1511-1520.
13. Wang H*, **Xu H***, Dyck L, Li XM (2005): Atypical antipsychotics protect PC12 cells against amyloid-induced apoptosis by inhibiting oxidative stress. *J. Neurosci. Res.* **81**:572-580.
14. Chen Z, **Xu H**, Haimanot S, Li X, Li XM (2005): Quetiapine and venlafaxine synergically regulate heme oxygenase-2 protein expression in hippocampal formations of stressed rats. *Neurosci. Lett.* **389**:173-177.
15. Luo C*, **Xu H***, Li X, Li XM (2005): Quetiapine reverses the suppression of hippocampal neurogenesis caused by repeated restraint stress. *Brain Res.* **1063**:32-39.
16. **Xu H**, Chen Z, He J, Haimanot S, Li XM (2006): Quetiapine and venlafaxine share common actions on the hippocampal formation in rats exposed to chronic restraint stress. *Hippocampus* **16**: 551-559.
17. Bai O, **Xu H**, Li XM (2006): Haloperidol and atypical antipsychotics share a same action of decreasing p75NTR mRNA levels in PC12 cells. *Life Sci.* **79**: 570-574.
18. He J, **Xu H**, Yang Y, Rajakumar D, Li X, Li XM (2006): The effects of chronic administration of quetiapine on the phencyclidine-induced reference memory impairment and decrease of Bcl-XL/Bax ratio in the posterior cingulate cortex in rats. *Behav. Brain Res.* **168**: 236-242.
19. Li XM, **Xu H** (2007): In vitro and in vivo evidence for neuroprotective effects of antipsychotic drugs: implications for the pathophysiology and treatment of schizophrenia. *Int. Rev. Neurobiol.* **77**: 107-142.
20. Zhang Y, **Xu H**, H J, Yan B, Jiang W, Li XM (2007): Quetiapine reverses altered locomotor activity and tyrosine hydroxylase immunoreactivity in rat caudate putamen following long-term haloperidol treatment. *Neurosci. Lett.* **420**: 66-71.
21. **Xu H**, Li XM (2007): Cellular Metabolism. In McIntyre & Konarski (ed), Psychiatric and metabolic disorders: research synthesis and clinical translation. Nova Publishers Inc. (In press)
22. Xiao L*, **Xu H***, Zhang Y, Wei Z, Dyck LE, Devon RM, Li XM (2007): Quetiapine facilitates oligodendrocyte development and prevents mice from myelin breakdown and behavioral changes. *Mol. Psychiatry* (in press).
23. Yan B, He J, **Xu H**, Zhang Y, Bi X, Thakur S, Gendron A, Kong J, Li XM (2007): Quetiapine attenuates the depression and anxiolytic-like behavioural changes induced by global cerebral ischemia in mice. *Behav. Brain Res.* (in press).

Note: Authors labeled with * contributed equally.

C. Research Support

Southern Illinois University at Carbondale, Start-up fund -- (Xu)

7/2006--7/2008

Animal models of schizophrenia

Role: PI

Principal Investigator/Program Director (*Last, first, middle*): Xu, Haiyun

Past Funding

Royal University Hospital Foundation -- (Xu) 7/2002--6/2005
Neuroprotective effects of atypical antipsychotics.
Role: PI

Canadian Institute of Health Research -- (Li) 7/2003--6/2005
Atypical Antipsychotics in Haloperidol-induced Neurotoxicity
Role: Co-PI

Canadian Institute of Health Research -- (Xu) 7/2000--6/2002
Neuroprotective effects of antidepressants.
Role: PI