

Curriculum Vitae

Name: Haixia Lu
Sex: Female
Date of birth: April 28th, 1971
Place of birth: Huaxian, Shaanxi Province, P.R. China
Nationality: P.R.China
Marital Status: Married
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Education

- Sep 1990-Jul 1997, Xi'an Medical University
Department of Clinical Medicine (7 years' program for selected students). Graduated with first class marks, top in year and awarded Master Degree and Medical Doctor Degree in Jul. 1997
- Sep 1999-Dec 2002, Xi'an Jiaotong University
Institute of Neuroscience, Medical School. Graduated and received the Ph.D. Degree in Dec. 2002
Study focus: Neural Stem Cells and Neural Regeneration

Career

- Sep 1995-Jul 1997 Clinical training in Department of Obstetrics & Gynecology, The Second Affiliated Hospital, Xi'an Jiaotong University College of Medicine
- Jul 1997- Jun 2006 Doctor in the Department of Obstetrics & Gynecology, The Second Affiliated Hospital, Xi'an Jiaotong University College of Medicine
- Jul 2006- Jan 2008 Postdoctoral research fellow sponsored under 'UK/China scholarships for excellent young academic researcher' in School of Biomedical Science, Queen's Medical Center, University of Nottingham
- Nov 2007- Jan 2008 Research Coordinator in Nottingham UK-China Collaboration on Complementary and Alternative Medicine (NUCCAM), Department of Epidemiology, Queen's Medical Center, University of Nottingham
- Feb 2008- May 2008 Senior doctor in the Department of Obstetrics & Gynecology, The Second Teaching Hospital of Xi'an Jiaotong University
- May 2008- Dec 2013 Associate Professor in Institute of Neurobiology, Xi'an Jiaotong University College of Medicine
- Sep 2009- Feb 2010 Research fellow (supported by Innovation China UK) in School of

Biomedical Science, University of Nottingham.

- Jan 2014- Professor in Institute of Neurobiology, Xi'an Jiaotong University Health Science Centre

Committee Memberships

- Council Member of the Chinese Neuroscience Society
- Member of Chinese Society of Anatomical Sciences, Committee Member of Neural Anatomy Branch
- Standing director of Specialized Committee of foreign students (Medicine) teaching in China, Chinese Society of Pharmacology
- Standing member of the education branch of the Chinese Academy of Geriatrics
- Member of Cell Biology of China
- Member of Anatomy Society of Great Britain & Ireland

Publications

1. Papers as first author or corresponding author

- 1) **Lu hai-xia**, Guan hai-tao, Jiang zan-li, et al. Applcated anatomy study of Calot triangle. *SICHUAN JIE POU XUE ZA ZHI (SICHUAN J of Anatomy)*. 1996, 4(4): 206~210 (in Chinese)
- 2) **Lu hai-xia**, Liu yong, Li min-jie, et al. The vimentin immunoreactive cells distribution at human fetal brain of 28 weeks. *JI CHU YI XUE YU LIN CHUANG (Basic Medical Science and Clinics)*. 2002, 22(6): 586~587 (in Chinese)
- 3) **Lu hai-xia**, Liu yong, Li min-jie, et al. Construction and identifaction of recombinant defective retroviral vetor with hNT-3 gene and stable virus-producing cell lines. *ZHONGGUO XIANDAI YIXUE (China J of Modern Medicine)*. 2002, 22(15): 8~10 (in Chinese)
- 4) **Lu hai-xia**, Liu yong, Li min-jie, et al. Isolation, culture and identification of neural stem cells in rats. *XI'AN JIAOTONG DAXUE XUEBAO (Acta of Xi'an Jiaotong University)*. 2002,23(5): 428~432 (in Chinese)
- 5) **Lu hai-xia**, Song tu-sheng, Zhai wei, et al. Isolation and expansion of human embryonic neural stem/progenitor cells in vitro. *ZHONGGUO XIANDAI YIXUE (China J of Modern Medicine)*. 2002,12(23):15-19
- 6) **Lu hai-xia**, Liu yong, Li min-jie, et al. Morphology and distribution study of vimentin positive cells in human fetal brain at different gestation week. *DI-SI JUNYI DAXUE XUEBAO (Acta Fourth Mil Med Univ)*. 2002, 23 (14): 1256~1258 (in Chinese)

- 7) **Lu hai-xia**, Zhai Wei, Liu yong, et al. Morphology and distribution study of neural stem cells in human embryonic brain and culture of human embryonic neural stem cells in vitro. *XI'AN JIAOTONG DAXUE XUEBAO (Acta of Xi'an Jiaotong University, Medical Sciences)*. 2003, 24(2): 97~100 (in Chinese)
- 8) **Lu hai-xia**, Liu yong, Li minjie, et al. Constructing recombinant defective retroviral vector with human NT-3 gene and stable virus-producing cell line. *XI'AN JIAOTONG DAXUE XUEBAO (Acta of Xi'an Jiaotong University, Medical Sciences, English version)*. 2003, 15: 14
- 9) **Lu hai-xia**, Levis Hannah, Melhem Nabil, Parker TL. Toxin-produced Purkinje cell death in the cerebellum: a model for neural stem cell transplantation studies. *Brain Research*. 2008, 1207: 207-213
- 10) **Lu Hai-xia**, Li Min-jie, Song Tu-sheng, Qian Yi-hua, Xiao Xin-li, Chen Xin-lin, Zhang Peng-bo, Feng Xin-shun, Parker Terry, Liu Yong. Retrovirus delivered Neurotrophin-3 promotes survival, proliferation and neuronal differentiation of human neural stem cells in vitro. *Brain Research Bulletin*. 2008, 4: 158-164
- 11) **Lu hai-xia**, Levis Hannah, Melhem Nabil, Parker TL. The establishment of animal model with Purkinje cells damage in rat. *Journal of Anatomy*. 2008, 212(1): 90-90 Abstract
- 12) **Lu hai-xia**, Li Min-jie, Song Tu-sheng, Qian Yi-hua, Parker TL, Liu Yong. Effect of retroviral mediated hNT-3 on hNSC differentiation. *Journal of Anatomy*. 2008, 212(1): 90-91 Abstract
- 13) **Lu Hai-xia**, Jiao Qian, Xie Wu-ling, Zhang Jun-feng, Liu yong. NT-3 gene modification via AAV vector promotes mouse NSCs proliferation and neuronal differentiation in vitro. *International Journal of Stroke*. 2010, 5: 137 Abstract
- 14) **Lu hai-xia**, Levis Hannah, Parker TL*. Organotypic slices culture model for cerebella ataxia: potential use to study Purkinje cell induction from neural stem cells. *Brain Research Bulletin*. 2011, 84(2): 169-173
- 15) **Lu Hai-xia**, Hao Zhi-ming, Jiao Qian, Xie Wu-ling, Zhang Jun-feng, Lu Yi-fei, Cai Min, Parker Terry, Liu Yong*. Neurotrophin-3 gene transduction of mouse neural stem cells promotes proliferation and neuronal differentiation in organotypic hippocampal slice cultures. *Medical Science Monitor*. 2011. 17 (10): BR305-311
- 16) Jiao Qian, Zhang Haixia, **Lu Haixia***, Liu Yong. Organotypic slice culture of neonatal rat cortex and induced neural stem cell differentiation. *NAN FANG YI KE DAXUE XUEBAO (Journal of South Medical University)*. 2011, 31(8): 1318-1322 (in Chinese)
- 17) **Lu Hai-xia**, Searle Karren, Liu Yong*, and Parker Terry*. The effect of dimensionality on growth and differentiation of neural progenitors from different

regions of fetal rat brain in vitro: 3-D spheroid versus 2-D monolayer cultures. *Cells Tissues Organs*. 2012; 196(1):48-55.

- 18) **Lu Haixia**, Yang Zhiqian, Lu Xiaoyun*, Li Mingchuan, Jiao Qian, Chen Xinlin, Wang Yuanyuan, Zhang Yali. Bioconpatibility of surface modified PHBHHx with rat embryonic neural stem cells. *SHENG WU GONG CHENG XUE BAO 9Chinese Journal of Biotechnology*). 2012, 28(9): 1216-1226 (in Chinese)
- 19) Lu Xiaoyun, Yang Zhiqian, **Lu Haixia***, Jiao Qian, Wang Yuanyuan, Feng Minjuan, Zhang Yali, Liu Yong. Effect of 3-hydroxybutyrate on the proliferation and differentiation of rat cortical neural stem cells in vitro. *XI'AN JIAOTONG DA XUE XUEBAO (Journal of Xi'an Jiaotong University Medical Sciences)*. 2012, 33(6): 6 89-692 (in Chinese)
- 20) **Lu Haixia**, Jiao Qian, Wang Yuan-yuan, Yang Zhi-qian, Feng Min-juan, Wang Li, Chen Xin-lin, Jin Wei-lin, Liu Yong*. The mental retardation associated protein srGAP3 regulates survival, proliferation and differentiation of rat embryonic neural stem/progenitor cells. *Stem Cells Development*. 2013, 22(11):1709-16.
- 21) Jiao Qian, Xie Wu-ling, Wang Yuan-yuan, Chen Xin-lin, Yang Peng-bo, Zhang Peng-bo, Tan Jing, **Lu Haixia***, Liu Yong*. Spatial relationship between NSCs/NPCs and microvessels in rat brain along prenatal and postnatal development. *International Journal of Developmental Neuroscience*. 2013; 31(4): 280-285.
- 22) Lu Xiao-yun, Wang Lei-lei, Yang Zhi-qian, **Lu Haixia***. Strategies of polyhydroxyalkanoates modification for the medical application in neural regeneration/ nerve tissue engineering. *Advanced Bioscience Biotechnology*. 2013; 4:731-740.
- 23) Wang Li, Wang Yuanyuan, Liu Haili, Li Zhaorong*, **Lu Haixia***. MicroRNA in the regulation of nervous system development. *ZHONG NAN DA XUE XUE BAO (Journal of Central South University Medical Science)*. 2013, 38 (3): 323-328. (in Chinese)
- 24) Feng Minjuan, **Lu Haixia***, Wang Yuanyuan, Jiao Qian, Yang Zhiqian, Xing Lanying, Liu Yong. Effect of mifepristone on the survival, proliferation and differentiation of rat embryonic neural stem cell in vitro. *JI CHU YI XUE YU LIN CHUANG (Basic and Clinical Medicine)*. 2013, 33(5): 537-541. (in Chinese)
- 25) **Lu Haixia**, Yang Zhi-qian, Jiao Qian, Wang Yuan-yuan, Wang Li, Yang Peng-bo, Chen Xin-lin, Zhang Peng-bo, Wang Peng, Chen Ming-xia, Lu Xiao-yun*, Liu Yong*. Low Concentration of Serum Helps to Maintain the Characteristics of NSCs/NPCs on Alkali Treated PHBHHx Film in Vitro. *Neurological Research*. 2014, 36(3): 207-214.

- 26) Jiao qian, Wang li, Zhang zhichao, Wang yuanyuan, Yan hanqi, Ma wen, Jin weilin, **Lu haixia***, Liu Yong*. Dynamic expression of srGAP2 in cell nucleus and cytoplasm during the differentiation of rat neural stem cells in vitro. **Mol Med Report**. 2016, 14: 4599-4605
- 27) Jiao Qian, Li Xingxing, An Jing, Zhang Zhichao, Chen Xinlin, Tan Jing, Zhang Pengbo, **Lu Haixia***, Liu Yong*. Cell-cell connection enhances proliferation and neuronal differentiation of rat neural stem/progenitor cells with involvement of MAPK pathways. **Frontier Cellular Neuroscience**. 2017, doi: 10.3389/fncel.2017.00200. eCollection
- 28) An Jing[#], Yan Hanqi[#], Li Xingxing, Tan Ruolan, Chen Xinlin, Zhang Zhichao, Liu Yingfei, Tan Jing, Zhang Pengbo, **Lu Haixia***, Liu Yong. The inhibiting effect of neural stem cells on proliferation and invasion of glioma cells. **Oncotarget**. 2017, 8(44):76949-76960.
- 29) Huang Li, Zhang Che, Gu Jiaowei, Wu Wei, Shen Zhujun, Zhou Xihui, **Lu Haixia***. A randomized, placebo-controlled trial of human umbilical cord blood mesenchymal stem cells transplantation for children with cerebral palsy. **Cell Transplantation** 1–10, 2017.DOI: 10.1177/0963689717729379

2. Papers as co-author

- 1) Li min-jie, Liu yong, **Lu hai-xia**. Isolation, culture and observation of the neural stem cells from the central nervous system of neonatal rat. **XI BAO YU FEN ZI MIAN YI XUE (Journal of Cellular and Molecular Immunology)**. 2002, 18(4):316-319, (in Chinese)
- 2) Chen xin-lin, Liu yong, Xiao xin-li, Zhang jin, **Lu hai-xia**. Cloning, expression, and antibody preparation of nestin with immunohistochemical analysis. **NAN FANG YI KE DA XUE XUE BAO (Acta of First Military Medical University)**. 2006, 26(2): 196-200.
- 3) Shi Qindong, Zhang Pengbo, Zhang Junfeng, Chen Xinlin, **Lu Haixia**, Tian Yumei, Parker Terry, Liu Yong. Adenovirus-mediated brain-derived neurotrophic factor expression regulated by hypoxia response element protects brain from injury of transient middle cerebral artery occlusion in mice. **Neuroscience Letters**. 2009, 465 (3):220-225
- 4) Jin Hui, Liu Tao, Wang Weixi, Xu Jiehua Yang Pengbo, **Lu Haixia**, Sun Qinrong, Hu Haitao. Protective effects of [Gly14]-Humanin on beta-amyloid-induced PC12 cell death by preventing mitochondrial dysfunction. **Neurochemistry International**. 2010, 56(3):417-23
- 5) Zhang Pengbo, Li Jie, Liu Yong, Chen Xinlin, **Lu Haixia**, Kang Qianyan, Li Weisong and Gao Ming. Human embryonic neural stem cell transplantation

increases subventricular zone cell proliferation and promotes peri-infarct angiogenesis after focal cerebral ischemia. *Neuropathology*. 2011, 31(4): 384-391

- 6) Zhang Pengbo, Li Weisong, Gao Ming, Li Ling, Wang Ni, Lei Shan, **Lu Haixia**, Chen Xinlin, Liu Yong. Culture and identification of neural stem cells from mouse embryos. *ZHONG GUO DANG DAI ER KE ZA ZHI (CHINESE JOURNAL OF CONTEMPORARY PEDIATRICS)*. 2011, 13 (3): 244-247 (in Chinese)
- 7) Zhang Junfeng, Shi Qindong, Chen Xinlin, Yang Pengbo, Qi Cunfang, Zhang Jianshui, **Lu Haixia**, Liu Jianxin, Jiao Qian, Zhao Lingyu, Zhao Bingqiao, Pheng Ping and Liu Yong*. Hypoxia-regulated neurotrophin-3 expression by multicopy hypoxia response elements reduces apoptosis in PC12 cells. *International Journal of Molecular Medicine*. 2012, 30(5):1173-1179
- 8) Yao Lu, Chen Xinlin, Tian Yingfang, **Lu Haixia**, Zhang Pengbo, Shi Qindong, Zhang Junfeng , Liu Yong. Selection of housekeeping genes for normalization of RT-PCR in hypoxic neural stem cells of rat in vitro. *Molecular Biology Reports*. 2012, 39 (1):569-76
- 9) Yang Pengbo, Zhang Junfeng, Zhao Lingyu, Jiao Qian, Jin Hui, Xiao Xinli, Zhang Haixia, Hu Ming, **Lu Haixia**, Liu Yong*. Developmental distribution pattern of metabotropic glutamate receptor 5 in prenatal human hippocampus. *Neuroscience Bulletin*. 2012, 28(6): 704–714
- 10) Zhang Pengbo, Li Weisong, Li Ling, Wang Ning, Li Xu, Gao Ming, Zheng Juan, Lei Shan, Chen Xinlin, **Lu Haixia** and Liu Yong. Treatment with edaravone attenuates ischemic brain injury and inhibits neurogenesis in the subventricular zone of adult rats after focal cerebral ischemia and reperfusion injury. *Neuroscience*. 2012, 201: 297–306
- 11) Xu Xi, Zhang Junfeng, Chen Xinlin, Liu Jianxin, **Lu Haixia**, Yang Pengbo, Xiao Xinli, Zhao Lingyu, Jiao Qian, Zhao Bingqiao, Zheng Ping, Liu Yong. The increased expression of metabotropic glutamate receptor 5 in subventricular zone neural progenitor cells and enhanced neurogenesis in a rat model of intracerebral hemorrhage. *Neuroscience*. 2012. 202: 474–483
- 12) Qi Cunfang, Zhang Junfeng, Chen Xinlin, Zhang Jianshui, Yang Pengbo, Jiao Qian, Zhang Pengbo, **Lu Haixia**, Liu Yong. Salidroside protects cultured rat subventricular zone neural stem cell against hypoxia injury by inhibiting Bax, Bcl-2 and caspase -3 expressions. *NAN FANG YI KE DAXUE XUEBAO (Journal of South Medical University)*. 2013, 33(7): 962-966. (in Chinese)
- 13) Yang Pengbo, Jin Hui, Xiao Xinli, Shi Qindong, **Lu Haixia**, Liu Yong*. Ventricular and subventricular zones under the frontal cortex of human fetus:

- development and distribution of nestin-positive cells. *NAN FANG YI KE DAXUE XUEBAO (Journal of South Medical University)*. 2013,33(5): 708-712. (in Chinese)
- 14) Xu xi, Zhang Junfeng, Yang Pengbo, Zhang Jianshui, Chen Xinlin, Liu Jianxin, **Lu Haixia**, Liu Yong*. Hind limb jump onto countertop for testing motor functional deficit in rats after stroke. *XI'AN JIAOTONG DA XUE XUEBAO (JOURNAL OF XI'AN JIAOTONG UNIVERSITY MEDICAL SCIENCES)*. 2013, 34(5): 678-681 (in Chinese)
 - 15) Lei Shan, Zhang Pengbo, Li Weisong, Gao Ming, He Xin, Zheng Junfeng, Li Xu, Wang X, Wang Ning, Zhang Jianshui, Qi Cunfang, **Lu Haixia**, Chen Xinlin, Liu Yong. Pre- and posttreatment with edaravone protects CA1 hippocampus and enhances neurogenesis in the subgranular zone of dentate gyrus after transient global cerebral ischemia in rats. *ASN Neurology*. 2014,6(6). doi: 10.1177/1759091414558417
 - 16) Zhang Zhichao, Ma Wen, Wang Li, Gong Hanshi, Tian Yumei, Zhang Jianshui, Liu Jianxin, **Lu Haixia**, Chen Xinlin, Liu Yong. Activation of Type 4 Metabotropic Glutamate Receptor Attenuates Oxidative Stress-Induced Death of Neural Stem Cells with Inhibition of JNK and p38 MAPK Signaling. *Stem Cells Development*. 2015;24(22):2709-2722.
 - 17) Zhang zhichao, Hu feng, Liu Yingfei, Ma Bo, Chen Xinlin, Zhu Kun, Shi Yan, Wei Ting, Xing Yao, Gao Yang, **Lu Haixia**, Liu Yong*. Activation of type 5 metabotropic glutamate receptor promotes the proliferation of rat retinal progenitor cell via activation of the PI-3-K and MAPK signaling pathways. *Neuroscience*. 2016, 322:138-151
 - 18) Lu Yang, Lei Shan, Wang Ning, Lu Pan, Li Weisong, Zheng Juan, Giri Praveen, **Lu Haixia**, Chen Xinlin, Liu Yong, Zhang Pengbo. Protective Effect of Minocycline against Ketamine-induced Injury in Neural Stem Cell: Involvement of PI3K/Akt and Gsk-3 beta Pathway. *Frontier Molecular Neuroscience*. 2016; 9: 135.
 - 19) Lu Yang, Giri PK, Lei Shan, Zheng Juan, Li Weisong, Wang Ning, Chen Xinlin, **Lu Haixia**, Zuo Zhiyi, Liu Yong, Zhang Pengbo. Pretreatment with minocyclone restores neurogenesis on the subventricular zone and subgranular zone of the hippocampus after ketamine exposure on neonatal rats. *Neuroscience*. 2017:352, 144-154
 - 20) Zhang Xiaohua, Hu Ming, Zhang Lin, An Jing, Yan Wenhui, Zhang Zhichao, Liu Jianxin, **Lu Haixia**, Chen Xinlin, Liu Yong. MTEP Impedes the Neuronal Polarization and the Activity of the Akt-NF-kappa B Pathway in Rat Hippocampal Neurons. *J Neuroscience Research*. 2017, 95 (9): 1730-1744

3. Clinical research papers

- 1) Li zhao-rong, **Lu hai-xia**, Ma yu-qin, et al. The determination of IL-6, IL-8 concentrations in amniotic fluid and plasma of women with PROM and their clinical significance study. *ZHONG HUA FU CHAN KE ZA ZHI (Chinese J of Obstetrics and Gynecology)*. 1998, 33(3): 239-241 (in Chinese)
- 2) **Lu hai-xia**, Li zhao-rong, Liang jin-quan, et al. The relationship between interleukin-6\ interleukin-8 concentrations and intra-amnio infection and Apgar scores. *XI'AN YI KE DA XUE XUE BAO(Acta of Xi'an Medical University)*. 1998, 10(1): 84~87 (in Chinese)
- 3) Li zhao-rong, Han xiang, **Lu hai-xia**, Li mu. The relationship between T helper-1 type(Th1)/T helper-2 type(Th2) cytokines level and recurrent spontaneous abortion. *XI'AN JIAOTONG DA XUE XUE BAO(Acta of Xi'an Jiaotong University(Medical Sciences))*. 2003, 3: 21-23 (in Chinese)
- 4) Li zhao-rong, Li ying-mei, **Lu hai-xia**, Li mu. The Relationship Between Concentration of Interleukin-6、Interleukin-8 in Omphaloblood of Newborn for Pregnancy Women With Premature Rupture of Membrane(PROM) and Prognosis of Fetal. *ZHONG GUO ER TONG BAO JIAN (Chinese Journal of Child Health Care)*, 2003, 3:5-7 (in Chinese)
- 5) Li zhao-rong, Yu ling, **Lu hai-xia**, Li mu. The concentrations of prostaglandin F₂(2α) and interleukin-8 in villi in recurrent spontaneous abortion and their clinical value. *SEHNG ZHI YI XUE ZA ZHI (Journal of Reproductive Medicine)*, 2003, 6: 4-5 (in Chinese)
- 6) Liu hai-li, **Lu hai-xia**, Li zhao-rong, Wang she-jiao. Relationship between the level of serum β -hCG and human placental lactogen in patients with severe pregnancy-induced hypertension and the neonates' condition. *China Journal of Modern Medicine*. 2003, 17: 21-23 (in Chinese)
- 7) Li zhao-rong, Han xiang, **Lu hai-xia**, et al. The relationship between decidual natural killer cells and unexplained recurrent spontaneous abortion. *SHEN ZHI YI XUE ZA ZHI (Journal of Reproductive Medicine)*. 2005, 2: 1-3 (in Chinese)
- 8) Li zhao-rong, Yu ling, **Lu hai-xia**, et al. Expression of survivin in pregnancy tissue in recurrent spontaneous abortion and its relation with Bax and PCNA. *XI'AN JIAOTONG DA XUE XUE BAO(Acta of Xi'an Jiaotong University(Medical Sciences))*. 2005, 3: 23-25 (in Chinese)
- 9) Li mu, **Lu hai-xia**, Li zhao-rong, et al. Expression of heparin binding epidermal growth factor and its receptor in infertility. *SHAANXI YI XUE (Shaanxi Medical Journal)*. 2006, 35 (10): 1262-1264 (in Chinese)
- 10) Anteby E.Y. ;Ayesh S.; Shochina M.; LAriel; **Lu hai-xia**. Growth factor

receptor-protein bound 2 (GRB2) upregulation in the placenta in preeclampsia implies a possible role for ras signaling. *Digest of the World Latest Medical Information*. 7:31, 2005 (translated from English)

- 11) De Luca Brunori I.; Battini L.; Brunori E.; **Lu hai-xia**. Placental barrier breakage in preeclampsia: Ultrastructural evidence). *Digest of the World Latest Medical Information* 7:32, 2005 (translated from English)

4. Conference abstracts (first author or corresponding author)

- 1) **Lu hai-xia**, Levis Hannah, Melhem Nabil, Parker TL. Cerebellar Ataxia: The establishment of an animal model of Purkinje cell damage in the rat cerebellum: Stem Cell Workshop Anatomy Society conference in Durham. 3rd-5th, July 2007
- 2) **Lu hai-xia**, Parker TL, Liu Yong. Effect of Retroviral Mediated hNT-3 on hNSC Differentiation. Stem Cell Meeting Manchester. 16th-18th July 2007
- 3) **Lu hai-xia**, Kallinteri P, Antimisiaris S., Ioannou P, Parker TL. Investigation of the effect of novel arsonoliposomes on cancer neural stem cells. BNOS Portsmouth. 13th-15th, June 2007
- 4) **Lu hai-xai**, Kallinteri P., Antimisiaris S., Ioannou P., Parker TL. Evaluation of novel arsonoliposomes for potential treatment of brain tumours. Monoclonal Antibodies in Clinical Oncology Greece. 18-20th June 2007
- 5) **Lu Hai-xia**, Jiao Qian, Xie Wu-ling, Zhang Jun-feng, Liu yong. NT-3 gene modification via AAV vector promotes mouse NSCs proliferation and neuronal differentiation in vitro. *Int J Stroke*. 2010, 5: 137
- 6) **Lu Haixia**, Lu Xiaoyun, Yang Zhiqian, Li Mingchuan, Liu Yong. Surface treatment of PHBHHx and the histocompatibility between rat embryonic neural stem cells and membrane. Science Press, China, 2011.150
- 7) Jiao Qian, Wang Li, Ma Hui, Wang Yuanyuan, Zhang Zhichao, **Lu Haixia***, Liu Yong. Construction of hypoxia model in organotypic brain slices. The 10th annual meeting of Chinese Neuroscience Society. Beijing, China; August, 2013
- 8) **Lu Haixia**, Jiao Qian, Wang Li, Ma Hui, Wang Yuanyuan, Zhang Zhichao, Liu Yong. Integration of grafted neural stem cells with organotypic brain slices in normoxia *in vitro*. The 10th annual meeting of Chinese Neuroscience Society. Beijing, China; August, 2013
- 9) Ma Hui, Ma Wen, Wang Li, Lu Na, Yan Hanqi, **Lu Haixia***. Inhibition of astrogliosis by TAT-KIR. Annual meeting of Chinese Society of Anatomical Sciences. Qinghai, China; August 2015
- 10) **Lu Haixia**, Karren Searle; Yong Liu and Terry Parker. The effect of dimensionality on growth and differentiation of neural progenitors from different regions of fetal rat brain in vitro: 3-D spheroid versus 2-D monolayer cultures.

Brain 2011. Barcelona, Spain; May 2011

- 11) **Lu Haixia**, Yang Zhiqian, Lu Xiaoyun, Liu Yong. Biocompatibility and bioactivity of PHBHHX as supporting material for NSCs transplantation. ISBP 2012. Cairns, Australia; October, 2012
- 12) **Lu Haixia**, Wang Li, Wang Yuanyuan, Jiao Qian, Li Zhaorong. The kinase inhibitory region of SOCS-3 reduced interleukin-6 induced phosphorylation of STAT3 in PC12. Brain 2013. Shanghai, China; May 2013
- 13) **Lu Haixia**, Lu Xiaoyun. Yang Zhiqian, Wang Yuanyuan. Cyto-compatibility of NaOH treated PHBHHx film with rat neural stem cell. Tissue Science 2013. Raleigh, USA; August, 2013

5. Other papers

- 1) **Lu hai-xia**, Li min-jie, Han Zhen. An Investigation on College Students' Knowledge About STDS. ZHONG HUA YI XUE LUN LI XUE (Chinese Medical Ethics). 75(1): 23~25, 2001 (in Chinese)
- 2) **Lu hai-xia**, Han Zhen, Li min-jie. An Investigation on college Student's Knowledge About Generation Health. ZHONG HUA YI XUE LUN LI XUE (Chinese Medical Ethics). 75(1): 20~22, 2001 (in Chinese)
- 3) Li min-jie, **Lu hai-xia**, Han zhen, Wang min-xu. An Investigation on the AIDS Knowledge of College Students. ZHONG HUA YI XUE LUN LI XUE (Chinese Medical Ethics). 1:10-11, 2001 (in Chinese)
- 4) **Lu Haixia**. How to against vaginitis caused by Yeast infection. Shaanxi Daily (Newspaper). 11th March 2007 (in Chinese)

Prizes and Awards

1. Scholarships for excellent students, 7 times from 1990-1997
2. 'LIANBANG' scholarships for excellent Ph.D students, 3 times from 1999-2001
3. Prize of 'excellent young reporter' in anatomy annual meeting in Guangzhou 2002
4. Award for "Combination of immunity treatment-Chinese Medicine treatment for recurrent spontaneous abortion" research from Government of Shaanxi Province.
5. First prize in 'teaching competition in foreign Language' in Xi'an Jiaotong University 2005
6. Scholarship from 'UK/China scholarships for excellent young academic researcher', 2005
7. Award from Symington Request Fund for travel to UK for ASGBI summer meeting, 2008
8. The 10th Youth Science and Technology Award of Shaanxi Province, 2014

Grant Support (last 5 years)

1. National Nature Science Foundation of China, 2016.01-2019.12.
The role of Lep-Rb and its downstream signaling pathways in neural regeneration after brain injury
2. National Nature Science Foundation of China, 2013.01-2016.12.
Suppressor of cytokine signaling 3 promotes neural repair via inhibiting gliogenesis after ischemic stroke
3. The Open Laboratory Project from State Key Laboratory of Neuroscience, Shanghai Institutes for Biological Sciences, Chinese Academy of Sciences, 2012.05-2015.04.
Roles of SOCS3 inhibiting reactive gliogenesis and enhancing neural repair
4. National Nature Science Foundation of China, 2011.01-2013.12.
The role of miRNAs in neurotrophin 3 induced neurogenesis after hypoxic-ischemic brain injury

Teaching Experience

- **Undergraduate**

Lecture for overseas students in English (Ob & G)

Lecture for students in 7-year program and 5-year program (Ob&G)

Lecture for students in 8-year program (Neurobiology)

Tutor of Problem based learning (PBL) for students in 8-year program

- **Postgraduate**

PhD and Master Supervisor in Human Anatomy, cell biology and Neurobiology

Clinical and research supervision

- Supervision to students in general clinical training and specific training
- Supervision to junior doctors
- Supervision assistant to Master candidates and PhD candidates since 2000 in China
- Supervision assistant to Master candidates, Project students and Ph.D students in Nottingham

Research Interests

Neural Stem Cell

1. Therapeutic use of neural stem cells for brain repair
2. Neural stem cells as possible target and candidates for brain tumour treatment
3. Targeting the induction of neural stem cells differentiation in rat and human (in vitro study)