

Kai Qiu, MD, PhD

CURRICULUM VITAE

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PRESENT POSITION Post Doctoral Fellow, Dept. of Physical Therapy, University of Florida

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EDUCATION

The Fourth Military Medical University, P.R. China.

Ph.D. in biomedical Sciences (Pathology)

Sept. 1995 – July 1998

MS. in Neuroanatomy

Sept. 1986 – July 1989.

M.D.

Sept.1981 – July 1986.

PROFESSIONAL EXPERIENCE

2006- Present. Department of physical therapy, College of Public Health and Health Professional Science, University of Florida

2005-2006. Postdoctoral Research Associate, Center for Neuroproteomics and Biomarker, Department of Psychiatry, McKnight Brain Institute, University of Florida

2002-2005. Postdoctoral Research Associate. Pulmonary Medicine Division, Department of Medicine, University of Florida

2000-2002. Postdoctoral fellow, Division of Neuroscience, ORPRC, Oregon Health Sciences University

1999. Associate professor, Cell Engineering Research Center, Department of Pathology, the Fourth Military Medical University (FMMU), Xi'an, China

1995 – 1996. Guest Scientist, State Key Laboratory of Nuclear Medicine, Wuxi, China

1992 –1999. Lecturer, National “863 hi-tech” Project Group, “state 1035 project” group, Laboratory of Immune Therapy for Hepatoma, Department of Pathology, FMMU, Xi'an, China

1989—1992. Teaching and research assistant, Laboratory Animal Research Center, FMMU, Xi'an, China

HONORS AND AWARDS

- Oct. 1998. Recipient, **First Prize for the Military Progress in Sciences and Technology**, China
- Jan. 1995-Dec.1998. Recipient, **Natural Science Foundation of China**, NO39580024. "Effect of b-Glucuronidase gene expression and its prodrug to the hepatoma" China
- May 1995-June1996 Recipient. **State Key Laboratory Foundation of Nuclear Medicine**, China. SKLFNM 9402 "99mTc labeled a series of anti-hepatoma McAb F(ab)₂ and Fab fragment"
- Oct. 1997. Second place prize for distinguished research paper, **natural science association of Shaanxi province**,China

PUBLICATIONS

1. **Kai Qiu**, Zhiqun Zhang, Meghan O'Donoghue, Evan Hermel, Lisa M. Ellerby, Stephen F. Larner, Kevin K.W. Wang. (2006) Overexpression of functional active human calpain-5 in HEK293 cells is associated with increased vulnerability to calcium induced necrosis. Paper in progress.
2. **Kai Qiu**, Yunchao Su, and Edward R. Block. (2006) Use of recombinant calpain-2 siRNA adenovirus to assess calpain-2 modulation of lung endothelial cell migration and proliferation. *Molecular and cellular Biochemistry*, 2006 ;292(1-2):69-78
3. **Kai Qiu**, Yunchao Su, Edward R. Block (2004) Calpain siRNA function on pulmonary artery endothelial cells. *Federation of American Societies for Experimental Biology Abstracts*
4. **Kai Qiu**, Yunchao Su, Edward R. Block. (2003) A calpastatin anti-sense ODN potentates effects on calpain in pulmonary artery endothelial cells. *American Journal of Respiratory and Critical Care Medicine*, 167(7): A927
5. **Kai Qiu**, Richard B. Simerly (2006) Efferent connection of the arcuate nucleus of the hypothalamus in mouse and rat, *J Comparative Neurology*, Paper in progress.
6. **Kai Qiu**, Richard B. Simerly (2001) Efferent connection of the arcuate nucleus of the hypothalamus, *Soc. Neuroscience Abstracts*
7. Jin Chang De, Shi Xin You, **Qiu Kai**, et al. Metastatic character of β -glucuronidase-cDNA transfected HHCC in nude mice. *J. Fourth Military Medical Univ.* 2000, 21(6): 716-718.
8. Jin Chang De, Shi Xin You, **Qiu Kai**. Reproduction of metastatic model in nude mice with pDOR- β G transfected HHCC cell line. *Chinese Veterinary Medicine* 2000, 30(6):15-17
9. **Qiu Kai**, Chen Zhi-Nan, Liu Yan-Fang, et al. Experiment study on the inhibiting effect of pDOR- β G transfected HHCC cell line by prodrug epirubicin-glucuronide. *J. Fourth Military Medical Univ.* 2000, 21(4): 63-67.
10. **Qiu Kai**, Chen Zhinan, Liu Yanfang, Qu Ping, Jin Jing. Establishment of high expression of β -glucuronidase in HCC cell line by transfection of retroviral vector pDOR- β G. *J Fourth Military Medical Univ.* 2000, 21(12): 201-204
11. **Qiu Kai**, Zhang Li-Hong, Jin Jing et al. Preparation of prodrug Epirubicin glucuronide from epirubicin treated patient urine by RP-HPLC system. *J. Fourth Military Medical Univ.* 2000, 21(1):113-115
12. **Qiu Kai**, Wang Bo-Chen, Chen Zhi-Nan, et al. ^{99m}Tc labeled HAb18McAb Fab fragment for radioimmuno-imaging in nude mice bearing human hepatocellular carcinoma. *World J.Gastroenterology.* 1998, 4/2: 166-169.
13. **Qiu Kai**, Liu Yanfang, Chen Zhinan, et al. Raising rabbit anti- β -glucuronidase serum and its application in ADEPT of hepatoma *J. Fourth Military Medical Univ.* 1998, 19(5): 543.
14. **Qiu Kai**, Chen Zhi-Nan, et al. Comparison of different methods for preparation of ^{99m}Tc labeling HAb18 Fab, F(ab)₂ fragments. *Chin. J. Clinical Medical Imaging.* 1997, 8:120-123.

15. **Qiu Kai**, et al. ^{99m}Tc labeling anti-hepatoma McAb HAb18 Fab fragment 2- iminothiolane modifier for radioimmuno-imaging in bearing human hepatoma xenograft nude mice. *Chin. J. Nucl. Med.* 1997, 17(2): 103-105
16. **Qiu Kai**, Han Zhong-Sheng. Local projections of GABAergic neurons in the dentate gyrus and CA1 region in the rat hippocampal formation. *Brain Res.* 1995, 702: 287-292.
17. **Qiu Kai**, Chen Zhi-Nan, et al. Preparation of anti-hepatoma McAb HAb18 F(ab)₂ and Fab fragments by papainic digestion in different conditions. *J. Fourth Military Medical Univ.* 1995, 16(6): 414-417.
18. **Qiu Kai**, Chen Zhi-Nan, et al. Preclinical quality control of high efficiency iodine-131 labeled anti-hepatoma McAb HAb18 for radioimmuno therapy. *J. Fourth Military Medical Univ.* 1995, 16(5): 321-323.
19. **Qiu Kai**, Chen Zhi-Nan. The biological characteristics of glucuronidase and its application in monoclonal antibody directed enzyme prodrug therapy (ADEPT) for carcinoma. *Chin. J. Monoclonal Antibody* 1995,11(1): 73-75
20. **Qiu Kai**, Chen Zhi-Nan. Selection and development methods of monoclonal antibody labeled with radionuclide for radioimmuno detection and radioimmuno therapy. *J. Fourth Military Medical Univ.* 1994, 15 (suppl): 75-77.
21. **Qiu Kai**, Liu Yu-ling. et al. Study on animal model of slopecia seborrhea. *J. Fourth Military Medical Univ.* 1993, 14 (suppl.) 44-47.
22. **Qiu Kai**, Shi XY. Application of chimaeric mice in biomedical research. *J. Fourth Military Medical Univ.* 1993, 14 (suppl.) 104-108.
23. Mi Li, Chen Zhi-Nan, **Qiu Kai**, et al. Elimination of mycoplasmas in cell culture using ciprofloxacin and Bmcyclin. *J. Fourth Military Medical Univ.* 1994, 15 (2): 89-91.
24. Chen Zhi-Nan, Mi Li, **Qiu Kai**, Liu Yang-Feng. The quality control and targeting study of anti-hepatoma monoclonal antibodies. *Chin. J. Cancer Biother.* 1995, 2(2): 88-93.
25. Shi XY, **Qiu Kai**, et al. Establishment and application of chronic atrophic gastric model in rat. *J. Fourth Military Medical University.* 1993, 14 (suppl.) 12-15.
26. Chen Zhen-Nan, Mi Li, Liu Zhi-Guang, **Qiu Kai**. The quality control and targeting study of anti-hepatoma McAb, *J. Fourth Military Medical Univ.* 1994; 14(2): 1619
27. Hu Chuanmin, Liu Yangfang, Sui Yanfang, **Qiu Kai**, et al. Establishment of two strain of monoclonal antibody against human hepatocellular carcinoma Hab25, Hab27 and its application in radioimmunoimaging. *Chin. J. Monoclonal Antibody* 1994,10(4): 58-63
28. Gu Guibao, Ju Gong, Wang Boyun, zhang Xia, **Qiu Kai**. Raising rabbit anti-PHA-L serum by microimmunological technique and the study of the injection of PHA-L into brain tissue in anterograde tract tracing. *Chin. J. Neuroanatomy.* 1990; 6(2):242-24