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## CURRICULUM VITAE

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NAME Liu, Kai	POSITION TITLE Assistant Professor
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EDUCATION/TRAINING (*Begin with bachelor education and include all higher education and postdoctoral training.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	YEAR(s)	FIELD OF STUDY
Peking University	B.S.	1998	Physiology/Biophysics
Rutgers University, New Brunswick	Ph.D.	2006	Neuroscience
Rutgers University, New Brunswick	M.S.	2009	Statistics
Children's Hospital Boston/Harvard Medical School	postdoc.	2006-2010	Axon regeneration

### **Positions and Employment**

2011-	Assistant Professor, Division of Life Science, The Hong Kong University of Science and Technology, Kowloon, Hong Kong
2006-2010	Postdoctoral fellow, Children's Hospital Boston/Harvard Medical School, Boston, MA
1999-2006	Graduate assistant, WM Keck Center, Rutgers University, New Brunswick, New Jersey
1998-1999	Graduate fellow, Program for Neuroscience, Rutgers University/UMDNJ, New Brunswick, New Jersey

### **Research Activities**

#### **Peer-reviewed publications (in reverse chronological order).**

1. Liu K, Tedeschi A, Park KK, He Z. Neuronal intrinsic mechanisms of axon regeneration. *Ann. Review Neurosci.* 2011;34:131-52.
2. Babiarz J, Kane-Goldsmith N, Basak S, Liu K, Young W, Grumet M. Juvenile and adult olfactory ensheathing cells bundle and myelinate dorsal root ganglion axons in culture. *Exp Neurol.* 2011 May;229(1):72-9.
3. Liu K\*, Lu Y\*, Lee JK, Samara R, Willenberg R, Sears-Kraxberger I, Tedeschi A, Park KK, Cai B, Xu B, Connolly L, Steward O, Zheng B, He Z. PTEN deletion enhances the regenerative ability of adult corticospinal neurons. *Nature Neuroscience* 2010 Sep;13(9):1075-81. (Cover article). \*Contributed equally.
4. Park KK, Liu K, Hu Y, Kanter J, He Z. PTEN/mTOR and axon regeneration. *Exp Neurol.* 2010 May;223(1):45-50.
5. Shen Y, Tenney AP, Busch SA, Horn KP, Cuascut FX, Liu K, He Z, Silver J and Flanagan JG. PTPsigma is a receptor for chondroitin sulfate proteoglycan, an inhibitor of neural regeneration. *Science* 2009 Oct 23;326(5952):592-6.
6. Park KK\*, Liu K\*, Hu Y\*, Smith PD\*, Wang C, Cai B, Xu B, Connolly L, Kramvis I, Sahin M, He Z. Promoting axon regeneration in the adult CNS by modulation of the PTEN/mTOR pathway. *Science* 2008 Nov 7;322(5903):963-6. (\*Contributed equally).

### **Awards and Honors**

2010	Craig H. Neilsen Foundation Postdoctoral Fellowship
2008	Wings for Life Spinal Cord Research Foundation Postdoctoral Fellowship
2003	National Neurotrauma Society Travel Grant

### **Professional Service**

2012	Hong Kong Inter-University Postgraduate Symposium on Life Science, Committee
2013	Editorial Board, Experimental Neurology