

Manxia Zhao

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EDUCATION	<u>Friedrich Miescher Institute, Basel</u>	2010 till now
	Ph.D of Neurobiology, Advisor: Pico Caroni.	
	<u>Institute of Neuroscience, Chinese Academy of Sciences, Shanghai, China, M.S.</u>	2004 -2009
	Master of Neurobiology, Advisor: Mu-Ming Poo.	
	<u>Department of Biology , Minzu University of China, Beijing, China, B.S.</u>	2000-2004
SCIENTIFIC ACTIVITY	<u>Pico Caroni Lab, Friedrich Miescher Institute, Lab of Neural Plasticity</u> Examine how does experience modulating inhibitory synaptic transmission in the hippocampus of adult mice <u>Mu-Ming Poo Lab, Institute of Neuroscience, Lab of Neural Plasticity</u> Examine the role of BDNF (Brain-derived neurotrophic factor) on subplate neuron's spontaneous activity Identify the influence of HCN1 (Hyperpolarization-activated cation channel) on hippocampal pyramidal neurons	
SPECIALIZED SKILLS	<ul style="list-style-type: none">• Practiced in experimental design and data analysis.• Proficient in electrophysiology experiments, including whole-cell patch clamp recording, dual patch recording on brain slice.• Rich experiences in neurobiology, cell biology and molecular biology, experienced in Confocal Imaging ISH (In situ hybridization), RNAi (RNA interference), In Utero electroporation, Western blotting, Neuronal culture for acute dissociative hippocampal neurons, Neuronal electroporation, Immunostaining, and some basic techniques on molecular biology.	
WORK EXPERIENCE	<u>Department of Neurodegeneration, GlaxoSmithKline R&D, Shanghai</u> Build the electrophysiology platform and target validation compounds in the aspect of long-term synaptic plasticity Make standard quantification protocol for synaptic markers	
SOCIAL ACTIVITIES	<ul style="list-style-type: none">• Work as a Teacher Assistant for the SIBS (Shanghai Institutes for Biological Sciences) Course of Cell Biology.• Administrate the Library in Institute of Neuroscience. The duty is to buy appropriate books, write book review, number them and help the volunteers to make lending and returning records.• Excellent volunteer in international symposium for cranes in 2002	2006 2004-2006
SELF ASSESSMENT	Activist. Optimist. Always be eager to learn new knowledge and “know-how”. Have a good team spirit and be easy to communicate with colleges	
HONORS	Outstanding student in Chinese Academy of Science in Shanghai in 2006 Outstanding college student in Beijing in the 2003 2rd Prize of National English Contest for College Students 2001 Outstanding student of high schools in Inner Mongolia in 1999	
PUBLICATION	Xu, C., Zhao, MX., Zhang XH., Poo MM. <i>GABA(B) receptor activation mediates frequency-dependent plasticity of developing GABAergic synapses</i> . Nat Neurosci, 2008. 11 (12): p. 1410-8.	