Yong Zhang, Ph.D.

Department of Neuroscience
The Johns Hopkins University School of Medicine
725 N. Wolfe Street, Hunterian 1001
Baltimore, MD 21205
Lab: 410-955-4052 Cell: 214-755-8548
Email: yzhang38@jhmi.edu

EDUCATION

2008 **Ph.D.,** Advisor: Dr. Duojia (DJ) Pan
Biochemistry, Cellular and Molecular Biology Graduate Program
Department of Molecular Biology and Genetics
The Johns Hopkins University School of Medicine
Howard Hughes Medical Institute

1999 **B.S.,** Department of Biochemistry, College of Life Sciences
Shandong University, P.R.China

RESEARCH EXPERIENCE

2008—Present Postdoctoral Training, Advisor: Dr. Richard L. Huganir
Visualization of NMDA Receptor-Dependent AMPA Receptor Synaptic Plasticity *In Vivo*
Department of Neuroscience
The Johns Hopkins University School of Medicine

2003—2008 Doctoral Training, Advisor: Dr. Duojia (DJ) Pan
Genetic and Biochemical Characterization of the Tsc-Rheb-TOR Signaling Pathway in *Drosophila*
Department of Molecular Biology and Genetics
The Johns Hopkins University School of Medicine
Howard Hughes Medical Institute
Transferred from UT Southwestern Medical Center to Hopkins in 2004

2001—2003 Visiting Research Scholar, Laboratory of Dr. Duojia (DJ) Pan
Department of Physiology
University of Texas Southwestern Medical Center at Dallas

1999—2001 Research Assistant, Laboratory of Prof. Binggen Ru
State Key Laboratory of Protein Engineering and Plant Genetic Engineering, Beijing University, P.R.China

TEACHING EXPERIENCE

Sep.—Oct. 2004 Teaching Assistant, ME:800.600--Molecules & Cells.
Cell physiology block, Core course for Hopkins Medical students
Duties to include: Leading small group discussions related to lecture material, setting up laboratory experiments, and grading exams.

AWARDS AND HONORS

2014	Best poster awards, Gordon Research Conference—Molecular & Cellular Neurobiology 2014
2006	Chinese Government Award for Outstanding Self-Financed Students Abroad
2004	Second prize, the National Natural Science Award Ministry of Education of the People's Republic of China

POSTER PRESENTATION & INVITED TALKS

Nov. 2014	Society for Neuroscience annual meeting 2014. "Visualization of NMDA Receptor-Dependent AMPA Receptor Synaptic Plasticity *In Vivo*". **Poster.** Abstract# 246.05. Washington D.C.
Sep. 2014	Neuroscience Department Retreat. "Visualization of NMDA Receptor-Dependent AMPA Receptor Synaptic Plasticity *In Vivo*". **Research Talk.** Invited by Hopkins Neuroscience Graduate Program director. St. Michaels, MD.
Jun. 2014	Gordon Research Conference—Molecular & Cellular Neurobiology 2014. "Visualization of NMDA Receptor-Dependent AMPA Receptor Synaptic Plasticity *In Vivo*". **Poster.** Hong Kong, P.R.China.
May 2013	Brain Activity Map Mini-Symposium. "Imaging AMPA receptor trafficking and Regulation *in vivo*". **Poster.** Brain Science Institute, Johns Hopkins University School of Medicine. Baltimore, MD.
Oct. 2012	Society for Neuroscience annual meeting 2012. "Imaging of AMPA receptor trafficking and regulation *in vivo*". **Research Talk.** Nanosymposium 523. Mechanisms of Somatosensation. Abstract# 523.10. New Orleans, LA.
Sep. 2012	Neuroscience Department Lab Lunch. "Trafficking and regulation of AMPA receptors *in vivo*". **Research talk.** Johns Hopkins University School of Medicine. Baltimore, MD.

PUBLICATIONS

Zhang Y, Cudmore R, Lin DT, Linden DJ, and Huganir RL. 2015. Visualization of NMDA Receptor-Dependent AMPA Receptor Synaptic Plasticity *In Vivo.* ***Nat. Neurosci.*** 18:402-407.

Sharma K, Choi SY, **Zhang Y**, Nieland T, Long S, Li M, and Huganir RL. 2013. High-throughput Genetic Screen for Synaptogenic Factors: Identification of LRP6 as Critical for Excitatory Synapse Development. ***Cell Rep.*** 5:1330-1341.

Zhang Y, Billington CJ Jr, Pan D, and Neufeld TP. 2006. *Drosophila* target of rapamycin kinase functions as a multimer. ***Genetics.*** 172:355-362.

Pan D, Dong J, **Zhang Y**, and Gao X. 2004. Tuberous sclerosis complex: from *Drosophila* to human disease. ***Trends Cell Biol.*** 14:78-85.

Zhang Y, Gao X, Saucedo L, Ru B, Edgar B, and Pan D. 2003. Rheb is a direct target of the tuberous sclerosis tumour suppressor proteins. ***Nat. Cell Biol.*** 5:578-581.

Gao X*, **Zhang Y***, Arrazola P, Hino O, Kobayashi T, Yeung R, Ru B, and Pan D. 2002. Tsc tumor suppressor proteins antagonize amino-acid-TOR signaling. ***Nat. Cell Biol.*** 4:699-704. (* Equal contribution)