

Curriculum Vitae

Name: Tan Bao Zhen

A. Education

National University of Singapore, Singapore, Singapore

Doctor of Philosophy, Neurophysiology

Functional Characterization of RNA Editing and Alternative Splicing in C-terminus of the Cav1.3 Calcium Channels

30 June 2011

National University of Singapore, Singapore, Singapore

Bachelor of Science, First Class Honours in Life Sciences

30 June 2006

B. Research/Employment History

April 2013-current JSPS Foreign Research Fellow, RIKEN Brain Science Institute, Japan
Laboratory for Neural Circuitry of Memory

Aug 2012-Mar 2013 Research Fellow, National University of Singapore, Singapore
Channel and Receptor Neuropharmacology Laboratory

Jan 2011-July 2011 Senior Research Assistant, National Neuroscience Institute, Singapore
Ion Channel and Transporter Laboratory

Jan 2007-Dec 2010 Graduate Research Student, National University of Singapore, Singapore
Ion Channel and Transporter Laboratory

C. Fellowships / Awards

JSPS Postdoctoral Fellowship for Foreign Researchers, Japan Society for the Promotion of Science, 1 April 2013 - 31 Mar 2015.

Gold Award for Swee Lee-Wadsworth Research Awards for manuscripts published FY2011/12, National University of Singapore, 25 September 2012.

2nd prize for best poster presentation, Association for Neuron and Disease, Bristol 2010, University of Bristol, U.K., 1 July 2010.

NUS Graduate School of Integrative Sciences and Engineering Scholarship, NUS Graduate School, National University of Singapore, Singapore, 1 Jan 2007 - 31 Dec 2010.

D. Publications

1. *H. Huang, ***B.Z. Tan**, Y. Shen, J. Tao, F. Jiang, Y.Y. Sung, C.K. Ng, M. Raida, G. Kohr, M. Higuchi, H. Fatemi-Shariatpanahi, B. Harden, D.T. Yue, and T.W. Soong (2012). RNA Editing of the IQ domain in Cav1.3 Channels modulate their Ca²⁺-dependent inactivation. *Neuron*, 73(2): 304-16. (*Co-first authors).
2. **B.Z. Tan**, F. Jiang, M.Y. Tan, D. Yu, H. Huang, Y. Shen, and T.W. Soong (2011). Functional characterization of alternative splicing in the C-terminus of L-type Cav1.3 channels. *J Biol Chem*, 286(49): 42725-35.
3. **B.Z. Tan**, H. Huang, R. Lam and T.W. Soong (2009). Dynamic Regulation of RNA Editing of Ion Channels and Receptors in the Mammalian Nervous System. *Molecular Brain*, 2(1):13.
4. X.W. Wang, **B.Z. Tan**, M. Sun, B. Ho, and J.L. Ding (2008). Thioredoxin-like 6 Protects Retinal Cells from Photooxidative Damage by Upregulating NF-κB Activity. *Free Radic Biol Med*, 45(3): 336-44.