

# Curriculum Vitae

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## POSITION

2016 ~ present **Postdoctoral Fellow** Laboratory of Dr. Yi-Ping Hsueh, Institute of Molecular Biology, Academia Sinica, Taipei, Taiwan

## EDUCATION

2006 ~ 2015 **Ph.D. in Neuroscience**. Transfer from Master's to Doctoral Program without Completing Master's Requirements. Institute of Neuroscience, National Yang-Ming University, Taipei, Taiwan

2002 ~ 2006 **B.S. in Biology**. Department of Biology, National Changhua University of Education, Changhua, Taiwan

## PUBLICATIONS

Li WG, Liu MG, Deng S, Liu YM, Shang L, Ding J, **Hsu TT**, Jiang Q, Li Y, Li F, Zhu MX, Xu TL. (2016) ASIC1a regulates insular long-term depression and is required for the extinction of conditioned taste aversion. *Nature Communications*. 7:13770.

**Hsu TT**, Lee CT, Tai MH, Lien CC. (2016) Differential recruitment of dentate gyrus interneuron types by commissural versus perforant pathways. *Cerebral Cortex*. 26: 2715-2727.

Wu PY, Huang YY, Chen CC, **Hsu TT**\*, Lin YC, Weng JY, Chien TC, Cheng IH, Lien CC. (2013) Acid-sensing ion channel-1a is not required for normal hippocampal LTP and spatial memory. *Journal of Neuroscience*. 33: 1828-1832. (\* First co-author)

Wu SH, Chen YJ, Huang SY, Tsai WS, Wu HJ, **Hsu TT**, Lee CY. (2012) Demonstration of expression of a neuropeptide-encoding gene in crustacean hemocytes. *Comparative Biochemistry and Physiology Part A: Molecular & Integrative Physiology*. 161: 463-468.

Chu KC, Chiu CD, **Hsu TT**, Hsieh YM, Huang YY, Lien CC. (2010) Functional identification of an outwardly rectifying pH- and anesthetic-sensitive leak K<sup>+</sup> conductance in hippocampal astrocytes. *European Journal of Neuroscience*. 32: 725-735.

Weng JY, **Hsu TT**, Sun SH. (2008) Functional characterization of P2Y<sub>1</sub> versus P2X receptors in RBA-2 astrocytes: elucidate the roles of ATP release and protein kinase C. *Journal of Cellular Biochemistry*. 104: 554-567

## CONFERENCE PRESENTATIONS

**Hsu TT**, Tai MH, Lien CC. (2014) Afferent-specific recruitment of interneurons in the dorsal hippocampal dentate gyrus. Poster session presented at the *44th Annual meeting of the Society for Neuroscience*, Washington, DC, USA

**Hsu TT**, Tai MH, Lien CC. (2012) Optogenetic control of neuronal activity in brain circuits. Poster session presented at the *2012 Annual Thesis Competition of National Yang-Ming University*.

**Hsu TT**, Lien CC. (2011) Control of neuronal firing by light. Poster session presented at the *2011 Annual Thesis Competition of National Yang-Ming University*.

**Hsu TT**, Weng JY, Sun SH (2007) Coactivation of P2Y<sub>1</sub> and P2X receptors is essential for Ca<sup>2+</sup> sustain in astrocytes: elucidate the role of protein kinase C and the involvement of endogenous ATP release. Poster session presented at the *37th Annual meeting of the Society for Neuroscience*, San Diego, CA, USA

## HONOR

Outstanding Award at the 2012 Annual Thesis Competition of National Yang-Ming University