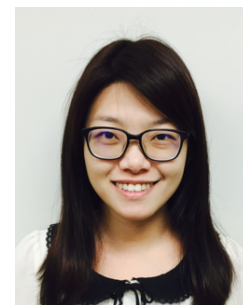


## CURRICULUM VITAE

**Wen-Yi Wu 吳玟誼**



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### EDUCATION

- 2009 Sep- 2016 Jan **Dept. of Life Science, National Taiwan University**  
Doctor of Science in Life Science
- 2005 Sep- 2008 Jan **Institute of Medical Science, Tzu Chi University**  
Master of Medical Science
- 2003 Sep- 2005 Jun **Dept. of Nursing, National Taipei Collage of Nursing**  
Bachelor of Nursing

### WORK EXPERIENCE

- 2008 Feb-2009 Aug **Institute of Brain Science, National Yang Ming University**  
Research assistant
- 2016 Feb- 2016 Sep **Department of Life Science, National Taiwan University**  
Postdoc

### SCHOLASTIC AWARDS/HONORS

- 2013 **The 2013 NTU-Meiji Symposium Best Presentation Award**  
Dept. of Life Science, National Taiwan University
- 2014 **Three-minute-thesis competition of Life Science and won excellent award**  
Dept. of Life Science, National Taiwan University
- 2014 **The 2014 Meiji-NTU Symposium Best Presentation Award**  
Dept. of Electronics and Bioinformatics, Meiji University

**LIST OF PUBLICATIONS**

1. **Wu, W. Y.**, Lin, T. F. A., Liang, K. C., Cheng & Yen, C. T. Neurons in Anterior Cingulate and Insular Cortices of Rats Respond to Vicarious Pain and Related to Prosocial Rescuing. (under review)
2. **Wu, W. Y.**, Hung, W. C., Yen, C. T. Min, M. Y. & Tsai, M. L.\* A simple method to fabricate a slender infusion-recording assembly in a 30-gauge syringe needle. *Journal of Medical and Biological Engineering*. (in press)
3. **Wu, W. Y.**, Liu, C. Y., Tsai, M. L., & Yen, C. T. \* (2016) Nocifensive behavior-related laser heat-evoked component in the rostral agranular insular cortex revealed using morphine analgesia. *Physiology & Behavior*. 154: 129-134.
4. Kuo, T.B.J., Chen, C.Y., Lai, C. T., Chuan, T. Y., **Wu, W. Y.**, Tsai. S. C., & Yang, C. C. H.\* (2012) Sleep disturbance among spontaneously hypertensive rats is mediated by an  $\alpha$ 1-adrenergic mechanism. *American Journal of Hypertension*. 25(10): 1110-1117.

**INVITED TALKS**

1. Shared response neurons in anterior cingulate and insular cortices engage in empathy-like behaviors of the rat. *Okinawa Institute of Science and Technology Graduate University, Onna-son, Okinawa*. 2016
2. Do animals have empathy? *Department of Biomechatronic Engineering, National Ilan University, Ilan, Taiwan*. 2016

**LIST OF CONFERENCE ABSTRACTS**

1. **Wu, W. Y.**, Liang, K. C. & Yen, C. T., Neuronal activity changes in empathy-like behaviors: A comparison among anterior cingulate, insular and motor cortices of rats. *Meiji-NTU Neurobiology and Cognitive Neuroscience Exchange Program*. Tokyo, Japan. 2014.
2. **Wu, W. Y.**, Liang, K. C. & Yen, C. T., Neuronal activity changes in empathy-like behaviors: A comparison among anterior cingulate, insular and motor cortices of rats. *Annual Meeting of the Japan Neuroscience Society*. Yokohama, Japan, 2014 (oral presentation)
3. **Wu, W. Y.**, Tsai, M. L., Liang, K. C. & Yen, C. T., Rescuing a conspecific associated with changes in rats's anterior cingulate and insular cortical activity. *Meiji-NTU Neurobiology and Cognitive Neuroscience Exchange Program*. Taipei, Taiwan. 2013.
4. **Wu, W. Y.**, Tsai, M. L., Liang, K. C. & Yen, C. T., Rescuing a conspecific associated with changes in rats's anterior cingulate and insular cortical activity. *Annual Meeting of the Society for Neuroscience*,

San Diego, California, USA, 2013

5. **Wu, W. Y.**, Liu, C. Y., & Yen, C. T., Comparison of rostral agranular insular cortex and primary somatosensory neuronal responses to noxious laser heat stimuli in conscious, Behaving Rats. *Annual Meeting of the Society for Neuroscience*, New Orleans, Louisiana, USA, 2012.
6. **Wu, W. Y.**, Lin, T. F. A., Liang, K. C. & Yen, C. T., Differential distribution of different types of empathy related neurons in anterior cingulate and insular cortex of the rat. *Annual Meeting of the Society for Neuroscience*, Washington, DC, USA, 2011.
7. **Wu, W. Y.**, Lin, T. F. A., Liang, K. C. & Yen, C. T., Empathy-related neuron in anterior cingulate cortex of the rat. *Annual Meeting of the Society for Neuroscience*, San Diego, California, USA, 2010.
8. **Wu, W. Y.**, Kuo, T.B.J., Wang, P. H., Tsai, S. C. & Yang, C.C.H., The influence of hormone replacement therapy with postmenopausal women on baroreceptor reflex sensitivity during sleep. *Taiwan Society of Sleep Medicine*, Taichung, Taiwan, 2009.
9. **Wu, W. Y.**, Yang, C.C.H. Sun, T.B., & Kuo, T.B.J., Effects of 5'-AMP on sleep pattern and autonomic functions change in free moving rats. *Taiwan Society of Sleep Medicine*, Taipei, Taiwan, 2008.
10. **Wu, W. Y.**, & Wang, Y. J. Connections between LC, NTS and RVLM-structures thought to be involved in sleep-wake behavior. *Annual Conference of Biomedical Sciences*, Taipei, Taiwan, 2006.

## TEACHING EXPERIENCE

Teaching Assistant

Course: Experiments of Animal Physiology, 2009- 2015

Techniques in Neurobiology, 2010-2014