



Photo

Name **Eddie Feng-Ju Weng, PhD**
Current Positions Assistant Professor, Graduate Institute of Biomedical Sciences, College of Medicine, China Medical University

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Education

MSPH Tulane University 2003
PhD Tulane University 2009
Postdoc MIT 2010~2021

Expertise

Synaptic plasticity, electrophysiology, learning and memory, neuronal hyperexcitability, tool development.

Research Interests

My research interests focus on investigating the mechanisms of learning and memory and how they are affected in neurological diseases. I also develop research tools and techniques to aid and facilitate neuroscience research.

Selected Grants:

Selected Publications

Weng, F.J., Garcia, R.I., Lutz, S., Alviña, K., Zhang, Y., Dushko, M., Ku, T., Zemoura, K., Rich, D., Garcia-Dominguez, D., Hung, M., Yelhekar, T.D., Sørensen, A.T., Xu, W., Chung, K., Castillo, P.E., Lin, Y. (2018) Npas4 Is a Critical Regulator of Learning-Induced Plasticity at Mossy Fiber-CA3 Synapses during Contextual Memory Formation. *Neuron* 97, 1137-1152 **IF = 14.403**

Weng, F.J., Williams, R.H., Hawryluk, J.M., Lu, J., Scammell, T.S., Saper, C.B., & Arrigoni, E. (2014) Carbachol Excites Sublaterodorsal Nucleus Neurons Projecting to the Spinal Cord. *J. Physiol.* 592, 1601-1617 **IF = 5.182**

Selected Patents