



Chen, Kuang-Ti

Assistant Professor

Professional specialty : Anatomy ,
Neuroanatomy, Histology, Embryology

Courses Taught :

Undergraduate : Veterinary anatomy,
Veterinary Neuroanatomy

Graduate :

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Educational background

M. S., China Medical University, Institute of Basic Medical Science (Department of Anatomy)(2007.9~2010.6)

Ph. D., China Medical University, Institute of Basic Medical Science (Department of Anatomy) (2010.9~2017.2)

Current position and professional career

Teaching Assistant of Anatomy., China Medical University (2010.9~2016.6)

Adjunct Instructor of Anatomy., Central Taiwan University of Science and Technology (2013.9~2014.2)

Adjunct Instructor of Anatomy., China Medical University (2016.9~2017.2)

Research topics interested

Animal behavior analysis , Mental illness animal model, immunohistochemistry (IHC) ,immunoblot

Selected publications

1. I-Hua Wei, **Kuang-Ti Chen**, Mang-Hung Tsai, Ching-Hsiang Wu, Hsien-Yuan Lane, Chih-Chia Huang * , Acute Amino Acid D-Serine Administration, Similar to Ketamine, Produces Antidepressant-like Effects through Identical Mechanisms , JOURNAL OF AGRICULTURAL AND FOOD CHEMISTRY , 2017 Dec , 65(49):10792-10803 (R/C= 3/57 Agriculture, Multidisciplinary) (SCI)
2. **Kuang-Ti Chen**, Ching-Hsiang Wu, Mang-Hung Tsai , Ya-Chieh Wu , Ming-Jia Jou ,Chih-Chia Huang * , I-Hua Wei * .Antidepressant-Like Effects of Long-Term Sarcosine Treatment in Rats with or without Chronic Unpredictable Stress , BEHAVIOURAL BRAIN RESEARCH , 2017 Jan , 316():1-10 (R/C= 16/51 , Behavioral Sciences) (SCI)
3. Chih- Chia Huang[#], Chia- Jou Lai, Mang- Hung Tsai[#], Ya- Chieh Wu, **Kuang- Ti Chen**[#], Ming- Jia Jou, Pin- I Fu, Ching- Hsiang Wu * and I- Hua Wei * .Effects of melatonin on the nitric oxide system and protein nitration in the hypobaric hypoxic rat hippocampus , BMC NEUROSCIENCE , 2015 Oct , 16(61):2-11 (R/C= 128/259 , Neuroscience) (SCI)
4. **Kuang-Ti Chen**, Mang-Hung Tsai, Ching-Hsiang Wu, Ming-Jia Jou, I-Hua Wei * ,and Chih-Chia

- Huang* . AMPA Receptor-mTOR Activation is Required for the Antidepressant-Like Effects of Sarcosine during the Forced Swim Test in Rats: Insertion of AMPA Receptor may Play a Role. *Frontiers in Behavioral Neuroscience* · 2015 Jun · 9():162 (R/C= 14/51 · Behavioral Sciences) (SCI)
5. Chih-Chia Huang[#], I-Hua Wei[#], Chieh-Liang Huang, **Kuang-Ti Chen**, Mang-Hung Tsai, Priscilla Tsai, Rene Tun, Kuo-Hao Huang, Yue-Cune Chang^{*}, Hsien-Yuan Lane^{*} Inhibition of Glycine Transporter-I as a Novel Mechanism for the Treatment of Depression · *BIOLOGICAL PSYCHIATRY* · 2013 Nov · 74(10):734-741(R/C= 10/259 · Neuroscience) (SCI)

conference paper

1. I-Hua Wei, Chih-Chia Huang, **Kuang-Ti Chen**, Ya-Chieh Wu, Ming-Jia Jou, To-Jung Tseng, Mang-Hung Tsai, Ching-Hsiang Wu . AMPA Receptor-mTOR Activation Is Required for the Antidepressant-like Effects of Sarcosine during the Forced Swim Test in rats. 25th International Society for Neurochemistry and 13th Asia Pacific Society for Neurochemistry Biennial Meeting, Cairns, Singapore,2015.
2. **Kuang-Ti Chen**, Mang-Hung Tsai, Ching-Hsiang Wu, Ming-Jia Jou, Miao-Hwa Ko, Chun-Wei Yang, Chih-Chia Huang, I-Hua Wei,. AMPA receptor stimulation and mTOR activation are required for the antidepressant-like effects of sarcosine, a glycine transporter-I inhibitor, during the forced swim test in rats. International Anatomical Sciences & Cell Biology Conference, pp.40, Hualien, Taiwan,2014.
3. Guan-Woei Tseng, Yun Chen, Mang-Hung Tsai, **Kuang-Ti Chen**, Ching-Hsiang Wu, Ming-Jia Jou, Miao-Hwa Ko, Chun-Wei Yang, Chih-Chia Huang, I-Hua Wei. Puerarin blocks chronic stress-induced depressive-like behaviors via activation of mTOR signaling. International Anatomical Sciences & Cell Biology Conference, pp.40, Hualien, Taiwan,2014.
4. Yun Chen, Guan-Woei Tseng, Mang-Hung Tsai, **Kuang-Ti Chen**, Ching-Hsiang Wu, Ming-Jia Jou, Miao-Hwa Ko, Chun-Wei Yang, Chih-Chia Huang, I-Hua Wei. Preclinical evidence of rapid-onset antidepressant-like effect in puerarin extract. International Anatomical Sciences & Cell Biology Conference, pp.40, Hualien, Taiwan,2014.
5. Mang-Hung Tsai, Yun Chen, Guan-Woei Tseng, **Kuang-Ti Chen**, Ming-Jia Jou, Miao-Hwa Ko, Chun-Wei Yang, Chih-Chia Huang, Ching-Hsiang Wu, I-Hua Wei. Effects of melatonin on the nitric oxide system and protein nitration in the hypobaric hypoxic rat hippocampus. International Anatomical Sciences & Cell Biology Conference, pp.40, Hualien, Taiwan,2014.
6. **Kuang-Ti Chen**, Mang-Hung Tsai, Min-Fang Tsai, Ming-Jia Jou, Miao-Hwa Ko, Chih-Chia Huang, I-Hua Wei. Effects of Acute Adminstrating D-serine, Sarcosine and MK-801 in the Forced Swim Test in Rats. 第二十四屆生物醫學聯合學術年會，國防醫學院 Taiwan, 2009.

Updated: 2018/08/17