CURRICULUM VITAE

Weiping Liao

DATE OF BIRTH: December 26, 1963
PLACE OF BIRTH: Hunan, P.R. China
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PRESENT POSITION

Professor and Director of Institute of Neuroscience of Guangzhou Medical University and Epilepsy Unit of the Second Affiliated Hospital.
An associate editor of SEIZURE, European Journal of Epilepsy.
Chairman of Committee of Precise Medicine of China Association Against Epilepsy (CAAE).

BRIEF BIOGRAPHY

Dr. Liao graduated from Hunan Medical University in 1983 and subsequently trained in Neurology until 1986. He obtained further training in Epileptology in the National Epilepsy Center of Japan between 1988 to1989. Now, he directs the Institute of Neuroscience, which is the Key Laboratory of Neurogenetics and Channelopathies of Guangdong Province and the Ministry of Education of China, leading a team in the basic and genetic studies on epilepsy.
Dr. Liao is one of the active leaders of the Asian Epilepsy Academy (ASEPA), a part of ILAE-Asia/Oceania. He has organized more than 20 epilepsy teaching courses of ASEPA, which greatly improved the understanding on epilepsy in the region. He introduced ASEPA EEG examination to China, which is now became a national EEG examination of China. More than 1,600 doctors have been trained and passed the examination. He has contributed greatly to the founding and development of the CAAE and served as a vice president of CAAE in the past two terms. He also served in the Neurobiology Commission and as a Co-Chair of the Epilepsy Education Task Force in ILAE. He has organized many domestic and international epilepsy conferences in recent years. These contributions helped in improving epileptology in China and the Asian-Oceanian region. He was awarded Ambassador for Epilepsy in 2011 for his contributions in epileptology.
Since 2018, Dr. Liao has launched and is leading the China Epilepsy Gene 1.0 Project (http://www.epg1.cn/), planning to have next generation sequencing (NGS) in 10,000 patients with epilepsy (trios) and to have 1,000 epileptologists trained in interpreting the results of NGS. So far, more than 3,000 trios have been sequenced and more than 100

doctors have been trained. New epilepsy genes is being discovered. This project will improve our understanding about epilepsy and make the GNS helpful for diagnosis and management of epilepsy in clinical practice.

EDUCATION:

M.D. and M.S., Hunan Medical University, Changsha, P.R. China, 1978-1986
Ph.D., Sun Yat-Sen University of Medical Sciences, Guangzhou, P. R. China, 1994-1997

EXPERIENCE:

1991-present Institute of Neurosciences, Guangzhou Medical University, Professor (Associate Professor before 1997)
1989-1991 Department of Neurology, the 1st Affiliated Hospital of Hunan Medical University, Visiting Doctor
1988-1989 National Epilepsy Center of Japan, Visiting Scholar, following Dr. M Seino, the former vice president of International League Against Epilepsy
1986-1988 Department of Neurology, the 1st Affiliated Hospital of Hunan Medical University, Resident Doctor

AWARDS:

Gowers' Prize awarded by the British Branch of the International League Against Epilepsy, 1990
Sackler Award for Chinese Doctor of the Year (1994) awarded by Sackler Foundation (US) and the Ministry of Health of China (organized by China Medical Tribune)
Ambassador for Epilepsy awarded by ILAE and IBE, 2011
The 13th Wu Jieping- Paul Janssen Medical & Pharmaceutical Award awarded by Ministry of Health of China, 2012

PUBLICATIONS IN ENGLISH:

1. Xiao-Rong Liu, Wen-Jun Bian, Jie Wang, Ting-Ting Ye, Bing-Mei Li, De-Tian Liu, Bin Tang, Wei-Wen Deng, Yi-Wu Shi, Tao Su, Yong-Hong Yi, **Wei-Ping Liao***. PGM3 mutations are associated with idiopathic focal epilepsy. **Frontiers in Genetics**, 2020,
2. Bin Tang, Bin Li, Liang-Di Gao, Na He, Xiao-Rong Liu, Yue-Sheng Long, Yang Zeng, Yong-Hong Yi, Tao Su and **Wei-Ping Liao**. Optimization of in silico tools for predicting genetic variants: individualizing for genes with molecular sub-regional stratification. **Briefings in Bioinformatics**, 2019 Aug, [doi: 10.1093/bib/bbz115/5611265].
3. Yi-Wu Shi, Qi Zhang, Kefu Cai, Sarah Poliquin, Wangzhen Shen, Nathan Winters, Yong-Hong Yi, Jie Wang, Ningning Hu, Robert L. Macdonald, **Wei-Ping Liao** and Jing-Qiong Kang. Synaptic clustering differences due to different GABRB3 mutations cause variable epilepsy syndromes. **BRAIN**, 2019 June 25, [doi: 10.1093/brain/awz250/5552789].
4. Fu-Li Min, Bi-Jun Mao, Zhong-Zheng Zheng, Na He, Cui-Xia Fan, Rui-Yan Cai, Juan Wang, Yang-Mei Ou, Bing Qin, **Wei-Ping Liao**, Yong-Hong Yi, Ze Li and Yi-Wu Shi. HLA-B 13:01 as a Risk Allele for Antiepileptic Drugs-Induced Cutaneous

Adverse Reactions: Higher Risk for Cross-Reactivity? **Frontiers in Neurology**, June 2019, Volume 10 Article 614, [doi: 10.3389/fneur.2019.00614].

5. Kefu Caia, Jie Wang, Jaclyn Eissman, Juexin Wang, Gerald Nwosu, Wangzhen Shen, Hui-Ci Liang, Xiao-Jing Li, Hai-Xia Zhu, Yong-Hong Yi, Jeffrey Song, Dong Xu, Eric Delpire, **Wei-Ping Liao**, Yi-Wu Shi, Jing-Qiong Kang. A missense mutation in SLC6A1 associated with Lennox-Gastaut syndrome impairs GABA transporter 1 protein trafficking and function. **Experimental Neurology.** 320 (2019 June) [doi: 10.1016/j.expneurol.2019.112973].
6. Na He, Zhi-Jian Lin, Jie Wang, Feng Wei, Heng Meng, Xiao-Rong Liu, Qian Chen, Tao Su, Yi-Wu Shi, Yong-Hong Yi and **Wei-Ping Liao**. Evaluating the pathogenic potential of genes with de novo mutations in epileptic encephalopathies. **Genetics in Medicine**, 2019 Jan; 21(1): 17-27. [doi: 10.1038/s41436-018-0011-y].
7. Wen Li, Yifan Wang, Bin Li, Bin Tang, Hui Sun, Jinxing Lai, Na He, Bingmei Li, Heng Meng, **Weiping Liao**, Xiaorong Liu. 16p11.2 deletion in patients with paroxysmal kinesigenic dyskinesia but without intellectual disability. **Brain and Behavior**. 2018 Sep; e01134. [doi: 10.1002/brb3.1134].
8. He N, Li BM, Li ZX, Wang J, Liu XR, Meng H, Tang B, Bian WJ, Shi YW, **Liao WP***. Few individuals with Lennox-Gastaut syndrome have autism spectrum disorder: a comparison with Dravet syndrome. **J Neurodev Disord**. 2018 Mar 20; 10 (1):10. [doi: 10.1186/s11689-018-9229-x].
9. Zhu P, Li J, Zhang L, Liang Z, Tang B, **Liao WP**, Yi YH, Su T. Development-related aberrations in Kv1.1 α-subunit exert disruptive effects on bioelectrical activities of neurons in a mouse model of fragile X syndrome. **Prog Neuropsychopharmacol Biol Psychiatry**. 2018 Jun 8;84(Pt A):140-151. [doi: 10.1016/j.pnpbp.2018.02.011]
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11. Zhou P, He N, Zhang JW, Lin ZJ, Wang J, Yan LM, Meng H, Tang B, Li BM, Liu XR, Shi YW, Zhai QX, Yi YH, **Liao WP***. Novel mutations and phenotypes of epilepsy-associated genes in epileptic encephalopathies. **Genes Brain Behav**. 2018 Jan 4. [doi: 10.1111/gbb.12456].
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26. Chen YJ, Shi YW, Xu HQ, Chen ML, Gao MM, Sun WW, Tang B, Zeng Y, **Liao WP***. Electrophysiological Differences between the Same Pore Region Mutation in SCN1A and SCN3A. **Mol Neurobiol.** 2015; 51 (3):1263-70. [doi: 10.1007/s12035-014-8802-x].
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