



The 6<sup>th</sup> Congress of Asian Society for Pediatric Research  
& 51<sup>st</sup> Annual Meeting of Taiwan Pediatric Association

April 15-18, 2010 Taipei, Taiwan



## CHAO-CHING HUANG

<b>Institution:</b>	National Cheng Kung University College of Medicine
<b>Title:</b>	Professor
<b>Tel No.:</b>	886-6-2353535 ext 5273
<b>Fax No.:</b>	886-6-2753083
<b>E-mail:</b>	huangped@mail.ncku.edu.tw
<b>Address:</b>	Department of Pediatrics, National Cheng Kung University Hospital, 138 Sheng-Li Road, Tainan City 70428 Taiwan



### CURRENT POSITION :

- ◆ Professor and Director, Institute of Clinical Medicine, National Cheng Kung University College of Medicine

### EDUCATIONAL BACKGROUND :

- ◆ MD, Taipei Medical School, Taipei Taiwan

### RESEARCH INTERESTS :

- ◆ Clinical and experimental studies in
- ◆ Febrile seizures,
- ◆ Neonatal hypoxic-ischemic encephalopathy,
- ◆ Periventricular leukomalacia of prematurity

### PUBLISHED WORKS : (Selected publications over last 5 years)

- Hsueh-Te Lee, Ying-Chao Chang, Yi-Fang Tu, **Chao-Ching Huang**. CREB Activation through VEGFR-2/ERK Signaling Mediates VEGF-A's Protection of Neurons and Cerebral Vascular Endothelial Cells. *J Neurochem* 2010 (in press)
- Hsueh-Te Lee, Ying-Chao Chang, Yi-Fang Tu, **Chao-Ching Huang**. VEGF-A/VEGFR-2 signaling leading to CREB phosphorylation is a shared pathway underlying the protective effect of preconditioning on neurons and endothelial cells. *J Neurosci* 2009; 29:4356-4368.
- Wan-Ying Lin, Ying-Chao Chang, Hsueh-Te Lee, **Chao-Ching Huang**. CREB activation in the rapid, intermediate and delayed ischemic preconditioning against hypoxic-ischemia in neonatal rat. *J Neurochem* 2009; 108:847-859.
- Ying-Chao Chang, Shun-Fen Tzeng, Lung Yu, A-Min Huang, Hsueh-Te Lee, **Chao-Ching Huang**, Chien-Jung Ho. Early-life fluoxetine exposure reduced functional deficits after neonatal hypoxic brain injury. *Neurobiol Dis* 2006; 24:101-113.
- Ying-Chao Chang, **Chao-Ching Huang**. Perinatal brain Injury and regulation of transcription. *Current Opinion in Neurol* 2006; 19:141-147.
- Ying-Chao Chang, Yu-Min Kuo, A-Min Huang, **Chao-Ching Huang**. Repetitive febrile seizures in rat pups cause long-lasting deficits in synaptic plasticity and NR2A tyrosine phosphorylation. *Neurobiol Dis* 2005; 18:466-475.
- Hsueh-Te Lee, Ying-Chao Chang, Lin-Yu Wang, Shan-Tair Wang, **Chao-Ching Huang**, Chien-Jung Ho. cAMP response element-binding protein activation in ligation preconditioning in neonatal brain. *Ann Neurol* 2004; 56:611-623.
- Tsu-F Yeh, Yuh-J Lin, Hung-C Lin, **Chao-Ching Huang**, Wu-S Hsieh, Cheng-H Tsai. Outcomes at school age after postnatal dexamethasone therapy for lung disease of prematurity. *New England Journal of Medicine* 2004; 350:1304-1313.
- Ying-Chao Chang, A-Min Huang, Yu-Min Kuo, Shan-Tair Wang, Yung-Yee Chang, **Chao-Ching Huang**. Febrile seizures impair long-term memory and cAMP response-element binding protein activation. *Ann Neurol* 2003; 54:706-718.
- Ying-Chao Chang, Nai-Wen Guo, Shan-Tair Wang, **Chao-Ching Huang**, Jing-Jane Tsai. Working memory of school-aged children with a history of febrile convulsions- A population study. *Neurology* 2001; 57:37-42.



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- Ying-Chao Chang, Nai-Wen Guo, **Chao-Ching Huang**, Shan-Tair Wang, Jing-Jane Tsai. Neurocognitive attention and behavioral outcomes of children with febrile convulsions. *Epilepsia* 2000; 41:412-420.
  - **Chao-Ching Huang**, Ching-Chuan Liu, Ying-Chao Chang, Cheng-Yu Chen, Tsu-Fu Yeh. Neurologic complications in children with enterovirus 71 infection. *New England Journal of Medicine* 1999;341:936-942.
  - **Chao-Ching Huang**, Shan-Tair Wang, Ying-Chao Chang, Pei-Lin Wu, Kung-Ping Lin. Measurement of the urinary lactate:creatinine ratio for the early identification of newborn infants at risk for hypoxic-ischemic encephalopathy. *New England Journal of Medicine* 1999; 341:328-335
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