



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



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### EXPERIENCES AND POSITION :

- ◆ Associate Professor
- ◆ Neurology and Pediatrics
- ◆ Director of Neuromuscular Clinic
- ◆ Lucile Packard Children's Hospital
- ◆ Stanford University Medical Center

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### EDUCATIONAL BACKGROUND :

- ◆ BS in Psychology - National Taiwan University
- ◆ MA in Physiological Psychology - University of Arizona, AZ, USA
- ◆ Ph. D. in Neurosciences - Northwestern University, IL, USA
- ◆ M.D. - Northwestern University School of Medicine, IL, USA
- ◆ Residency in Pediatrics, Dallas Children Medical Center, Dallas, TX, USA
- ◆ Pediatric Neurology Fellowship, Neurological Institute of New York, Columbia Presbyterian Hospital
- ◆ Postdoctoral Fellowship in Human Molecular Genetics, Columbia University

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### RESEARCH INTERESTS :

- ◆ Molecular Genetics in Neuromuscular Disorders
- ◆ Clinical Trials in Neuromuscular Disorders
- ◆ Molecular Mechanisms of Motor Neuron Degeneration
- ◆ Biomarkers in Autism

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### PUBLISHED WORKS : (Selected List)

- Wang, C. H., Carter, T. A., Das, K., Xu, J., Ross, B. M., Penchaszadeh, G. K., and Gilliam, T. C. Extensive DNA deletion associated with severe disease alleles on SMA homologues. *Annals Neurology*, 42:41-49, 1997.
  - Wang, C. H., Bruinsma, P., Papendick, B. D., and Days, K. Identification of a novel mutation of the SMN<sup>T</sup> gene in two siblings with spinal muscular atrophy. *Neurogenetics*, 1:273-276, 1998.
  - Gavrillov, D. K., Shi, X., Das, K., Gilliam, T. C., and Wang, C. H. Differential SMN2 expression associated with SMA severity. *Nature Genet.* 20:230-231, 1998.
  - Talebizadeh, Z, Bittel D. C., Miles, J. H., Takahashi, N., Wang, C. H., Kibiryeva, N., and Butler, M. G. No association between *HOXA1* and *HOXB1* genes and autism spectrum disorders (ASD). *J. Med. Genet.* 39: e70 (1-5), 2002.
  - Grzeschik, S. M., Ganta, M., Prior, T.W., Heavlin, W. D., Wang, C. H. Hydroxyurea enhances SMN2 gene expression in spinal muscular atrophy cells. *Annals of Neurology*, 58:194-202, 2005.
  - Butler, M.G., Dazouki, M.J., Zhou, X.-P., Talebizadeh, Z., Brown, M., Takahashi, T.N., Miles, J.H., Wang, C.H., Stratton, R., Pilarski, R., Eng, C. Subset of individuals with autism spectrum disorders and extreme macrocephaly associated with germline PTEN tumor suppressor gene mutations. *Journal of Medical Genetics*, volume 42, issue 4, 318 – 321, 2005.
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  - Wang, C. H., Finkel, R.S., Bertini, E. S., et al, and the International Consortium on the Standard of Care for SMA. Consensus Statement for the Standard of Care in Spinal Muscular Atrophy. J. Child Neurology, 22:1027-1049, 2007.
  - Wang, C. H. The molecular and genetic basis of spinal muscular atrophies. In "The Molecular and Genetic Basis of Neurologic and Psychiatric Diseases", 4<sup>th</sup> edition, Rosenberg, R. N. et al. eds. Lippincott Williams and Wilkins, Philadelphia, PA, pp 456-468, 2008.
  - Lunn, M.R. and Wang, C. H. Spinal muscular atrophy: from molecular genetics to therapeutic strategies. Lancet, 2120-2133, 2008.
  - Wang, C. H. and Lunn, M.R. Spinal muscular atrophy: advances in research and consensus on clinical care of patients. Current Treatment Options in Neurology, 10: 420- 428, 2008.
  - Wang, C.H. and Patterson, M. C. Chromosomal Diseases. In "Meritt's Textbook of Neurology", 12<sup>th</sup> edition. L.P. Rowland, ed., Williams and Wilkins, Baltimore, 597-600, 2010.
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