



# 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



## WEN-I LEE

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### CURRENT POSITION :

- ◆ Associate professor of Chang Gung Memorial and Children's Hospital. (2009---)
- ◆ Associate professor of Chang Gung University College of Chinese Medicine. (2010...)

### EDUCATIONAL BACKGROUND :

- ◆ Genetic & molecular approach in Primary Immunodeficiency in University of Washington Medical Center, Seattle (2000-2003)
- ◆ Graduate Institute of Clinical Medical Sciences, Chang Gung University, Taiwan (1999-2005)

### RESEARCH INTERESTS :

- ◆ Clinical interests: Recurrent infections, primary immunodeficiency, immune reconstruction after hematopoietic stem cell transplantation, and allergic diseases (including asthma, allergic rhinitis, atopic dermatitis, urticaria)
- ◆ Basic Interests: The overall emphasis of research is in human T, B and NK cell development and in aberrations in their development and regulation. The work involves three particular areas of investigation: 1) the cellular and molecular bases of genetically-determined human immunodeficiency diseases, 2) the use of hematopoietic stem cells to cure genetically-determined immunodeficiency diseases and 3) the use of hematopoietic stem cell chimeras to study human thymic education, T and B cell reconstruction.

### PUBLISHED WORKS :

- Imai K, Slupphaug G, Lee WI, Revy P, Nonoyama S, Catalan N, Yel L, Forveille M, Krokan HE, Ochs HD, Alain Fischer, Anne Durandy\*: Uracil-DNA glycosylase deficiency profoundly impairs immunoglobulin class switch recombination, leading to a hyper-IgM syndrome. *Nat Immunol* 2003; 4:1023-8 (\* correspondence)
- Lee WI, Zhu Q, Gambineri E, Jin Y, Walcher AA, Ochs HD\*: Inducible CO-Stimulator molecule (ICOS), a candidate gene for defective isotype switching, is normal in patients with Hyper IgM syndrome of unknown molecular diagnosis. *J Allergy Clin Immunol* 2003; 112:958-964
- Freyer DR\*, L. Gowans LK, Warzynski M, Lee WI. Flow cytometric diagnosis of X-linked hyper-IgM syndrome: application of an accurate and convenient procedure. *J Pediatr Hematol Oncol* 2004; 26:263-270
- Lee WI\*, Kuo ML, Huang JL, Lin SJ, Wu CJ. Distribution and clinical aspects of primary Immunodeficiency diseases in a Taiwan pediatric tertiary hospital during 20 years. *J Clin Immunol* 2005; 25:162-173.
- Hung JJ, Ou LS, Lee WI, Huang JL\*. Central nervous system infection in patients with systemic lupus erythematosus. *J Rheuma* 2005; 32:40-43
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- Yang CH, Lee WI\*, Hsu TS. Disseminated white papules: *Molluscum Contagenosum* infection in a female patient with hyper IgE syndrome. Arch Dermatol 2006; 142:755-80
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- Lin SC, Shyur SD\*, Ma YC, Huang LH, Lee WI. Hyper-IgM1 syndrome with interstitial pneumonia and diarrhea caused by coxsackievirus B4 in a 3-month-old infant. Ann Allergy Asthma Immunol. 2005;95:93-7.
- Yu HR, Chen RF, Hong KC, Bong CN, Lee WI, Kuo HC, Yang KD\* IL-12-independent Th1 polarization in human mononuclear cells infected with varicella-zoster virus. Eur J Immunol. 2005;35:3664-72.
- Lee WI\*, Jaing TH, Hsieh MY, Kuo ML, Lin SJ, Huang JL Distribution, Infections, Treatments and Molecular Analysis in a Large Cohort of Patients with Primary Immunodeficiency Diseases (PIDs) in Taiwan. J Clin Immunol. 2006; 26:274-83
- Jaing TH, Lee WI, Lin TZ\*, Huang JL, Chen SH, Chow R. Successful Unrelated Mismatched Cord Blood Transplantation in an Infant with Severe Combined Immunodeficiency and *Mycobacterium bovis* Bacillus Calmette-Guèrin Disease. Pediatr Transplant 2006;10:501-4.
- Lin SC, Shyur SD\*, Lee WI, Ma YC, Huang LH. X-Linked Hyper-Immunoglobulin M Syndrome: Molecular Genetic Study and Long-Time Follow-Up of Three Generations of a Chinese Family. Int Arch Allergy Immunol. 2006; 140:1-8.
- Jaing TH\*, Hou JW, Chen SH, Huang IA, Wang CJ, Lee WI. Successful unrelated mismatched cord blood transplantation in a child with malignant infantile osteopetrosis. Pediatr Transplant. 2006;10:629-31.
- Yao TC, Kuo ML, See LC, Ou LS, Lee WI, Chan CK, Huang JL\*. RANTES and monocyte chemoattractant protein 1 as sensitive markers of disease activity in patients with juvenile rheumatoid arthritis: A six-year longitudinal study. Arthritis Rheum. 2006;54:2585-2593
- Huang JL\*, Hung JJ, Wu KC, Lee WI, Chan CK, Ou LS. Septic Arthritis in Patients with Systemic Lupus Erythematosus: Salmonella and Nonsalmonella Infections Compared. Semin Arthritis Rheum 2006;36:61-67
- Jaing TH\*, Tsai BY, Chen SH, Lee WI, Chang KW, Chu SM. Early transplantation of unrelated cord blood in a two-month-old infant with Wiskott-Aldrich syndrome. Pediatr Transplant 2007;11:557-9.
- Lee WI\* Yang CY, Jaing TH, Chien YH, ChangKW, Huang JL. Clinical Aspects and Molecular Analysis of Chinese Patients with Wiskott-Aldrich Syndrome (WAS) in Taiwan. Int Arch Allergy Immunol. 2008;145:15-23.
- Lee WI\* Huang JL, Jaing TH, Kuo ML, Lin SJ. Analysis of genetic defects in patients diagnosed as common variable immunodeficiency (CVID). Ann Allergy Asthma Immunol. 2007;99:433-42.
- Lee WI\* Tsai YC, Huang JL, Hung IJ, Jaing TH, Chen MZ., Kuo ML. Leukocyte adhesion disease type I with CD18 splicing mutation but without delayed umbilical cord separation. Pediatr Allergy Immunol. 2008;19:25-32.
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- Lee WI\*, Chen SH, Hung IJ, Yang CP, Jaing TH, Chen CJ, Li SP, Huang JL. Clinical Aspects, Immunologic Assessment and Genetic Analysis of Taiwanese Children with Hemophagocytic Lymphohistiocytosis. Pediatr Infect Dis J 2009;28:30-4
- Lee WI\*, Huang JL, Lin TY, Hsueh C, Wong AM, Hsieh MY, Chiu CH, Jaing TH. Chinese Patients with Defective IL-12/23-Interferon- $\gamma$  Circuit in Taiwan: Partial Dominant Interferon- $\gamma$  Receptor 1 Mutation Presenting as Cutaneous Granuloma and IL-12 Receptor  $\beta$ 1 Mutation as Pneumatocele. J Clin Immunol 2009;29:238-45
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- Huang YL, Hsieh MY, Hsiao PF, Sheen MJ, Yu HR, Kuo HC, Chen ST, Huang JL, Yang KD, Lee WI\*. Alopecia Areata Universalis After Phenobarbital-Induced Anti-Convulsant Hypersensitivity Syndrome. Immunol Invest 2009;38:383-97.