



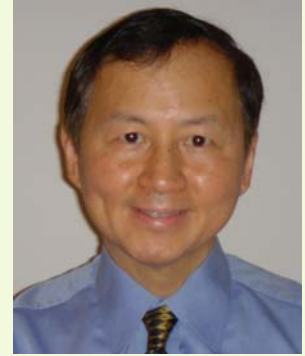
The 6th Congress of Asian Society for Pediatric Research
& 51st Annual Meeting of Taiwan Pediatric Association

April 15-18, 2010 Taipei, Taiwan



TSE WEN CHANG

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CURRENT POSITION :

- ◆ Distinguished Research Fellow

EDUCATIONAL BACKGROUND :

- ◆ National Tsing Hua University, Chemistry, B.S., M.S.
- ◆ Harvard University, Cell and Developmental Biology, Ph.D.
- ◆ M.I.T, Immunology, Postdoctoral Research

RESEARCH INTERESTS :

- ◆ To develop therapeutic strategies for treating asthma and allergy
- ◆ To develop immunological agents for targeting free IgE and membrane-bound IgE on B lymphocytes
- ◆ To delineate the pharmacological mechanisms of anti-IgE antibody, omalizumab (Xolair)
- ◆ To develop transgenic mouse models suitable for testing the efficacy and pharmacological mechanisms of therapeutic candidates targeting the IgE-mediated pathways
- ◆ To understand why allergy becomes so prevalent in modern environment and lifestyle

PUBLISHED WORKS :

- Chang TW. Pharmacological basis of anti-IgE therapy (a review). *Nature Biotechnology* 18, 157-162 (2000).
- Chang TW and Shiung YY. Anti-IgE as a mast cell-stabilizing therapeutic agent. *J Allergy Clin Immunol* 117, 1203-12 (2006).
- Chang TW, Wu PC, Hsu CL, and Hung AF. Anti-IgE antibodies for the treatment of IgE-mediated allergic diseases. *Adv Immunol* 93, 63-119 (2007).
- Chang TW and Pan AE. Cumulative environmental changes, skewed antigen exposure, and the increase of allergy. *Adv Immunol* 98, 39-84 (2008).