



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

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EXPERIENCES AND POSITION :

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EDUCATIONAL BACKGROUND :

- ◆ PhD, Stanford University, USA
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RESEARCH INTERESTS :

- ◆ Dissection of immunopathogenic mechanisms of autoimmune diseases.
- ◆ Development of therapeutic strategies for autoimmune diseases.
- ◆ Transgenic and knockout techniques

PUBLISHED WORKS : (*Correspondence)

- Chen, Y.-W., Lin, G.-J., Chuang, Y.-P., Chia, W.-T., Hueng, D.-Y., Lin, C.-K., Nieh, S., ***Sytwu, H.-K.** (2010) Triptolide extracts from Chinese herb circumvents drug-resistant effect and enhances 5-fluorouracil anti-tumor effect on KB cells. *Anti-Cancer Drug* (In press)
- Chia, W.-T., Lin, G.-J., Chen, Y.-W., Lin, H.-J., Tseng, F.-J., Yu, H.-Y., Lee, H.-S., Chang, D.-M., ***Sytwu, H.-K.** (2010) Anti-inflammatory effect of knee joint injection of resveratrol in collagen antibody-induced arthritis. *Journal of Medicinal Food* (In press)
- Huang, S.-W., Chu, C.-H., Yu, J.-C., Chuang, W.-C., Lin, G.-J., Chen, P.-L., Chou, F.-C., Chau, L.-Y., ***Sytwu, H.-K.** (2010) Transgenic expression of heme oxygenase-1 in β cells protects nonobese diabetic mice from autoimmune destruction and prolongs graft survival in islet transplantation. *Diabetologia* (revised)
- Chia, W.-T., Chen, Y.-W., Tseng, F.-J., Hueng, D.-Y., Lin, G.-J., Lee, H.-S., Chang, D.-M., ***Sytwu, H.-K.** (2010) MMPs as therapeutic makers in murine surgical destabilization of the medial meniscus model of osteoarthritis. *Connective Tissue Research* (In press)
- Wang, Y.-L., Sung, H.-H., Lin, W.-C., Chen, A., ***Sytwu, H.-K.** (2010) Prevention of autoimmune diabetes by decoy receptor 3 through manipulation of dendritic cell function in vivo. *European Journal of Immunology* (Submitted)
- Chia, W.-T., Yeh, L.-T., Lee, H.-S., Kung, B.-H., Chang, D.-M., ***Sytwu, H.-K.** (2010) Anti-inflammatory effect of carbon monoxide associated with anti-T cell proliferation in mice with collagen antibody-induced arthritis. *Arthritis and Rheumatism* (In revision)
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- Shieh, S.-J., Chou, F.-C., Lin, W.-C., Yu, P.-N., Roffler, S., Chang, D.-M., ***Sytwu, H.-K.** (2009) Transgenic expression of single-chain anti-CTLA-4 Fv on beta cells protects NOD mice from autoimmune diabetes. *Journal of Immunology* 183(4):2277-2285.
- Chou, F.-C., ***Sytwu, H.-K.** (2009) Overexpression of thioredoxin in islets by lentiviral vector prolongs graft survival in autoimmune diabetic NOD mice. *Journal of Biomedical Science* 16:71.
- Chou, F.-C., Shieh, S.-J., ***Sytwu, H.-K.** (2009) Attenuation of Th1 cell immune response through galectin-9-TIM-3 interactions inhibits autoimmune diabetes in NOD mice. *European Journal of Immunology* 39:2403-2411.
- Chen, Y.-W., Lin, G.-J., Chia, W.-T., Lin, C.-K., Chuang, Y.-P., ***Sytwu, H.-K.** (2009) Triptolide exerts anti-tumor effect on oral cancer cells in vitro and in vivo. *Oral Oncology* 45(7):562-568.



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