



Name: Tsu-Nai Wang

E-mail: wangtn@kmu.edu.tw

Tel: 886-7-3121101 ext 2141-19

Education

P.H.D. Graduate Institute of Medicine, College of Medicine, Kaohsiung Medical University, Kaohsiung City, Taiwan, 1994-2000

M.P.H. Graduate Institute of Public Health, National Taiwan University, Taiwan, 1990-1992

B.S. Department of Public Health, Kaohsiung Medical University, Kaohsiung City, Taiwan, 1986-1990

Professional Experience

2011~ Professor, Department of Public Health, College of Health Science, Kaohsiung Medical University, Kaohsiung, Taiwan

2007 – 2011: Associate Professor, Department of Public Health, College of Health Science, Kaohsiung Medical University, Kaohsiung, Taiwan

2001 –2007: Assistant Professor, Department of Public Health, Kaohsiung Medical University, Kaohsiung, Taiwan

1992 –2001: Instructor, Department of Public Health, Kaohsiung Medical University, Kaohsiung, Taiwan

Specialty

Epidemiology, Public Health, genetic and environmental epidemiology

Publication

1. Yi-Shan Tsai, Yu-Ting Tseng, Pei-Shih Chen, Meng-Chih Lin, Chao-Chien Wu, Ming-Shyan Huang, Chin-Chou Wang, Kang-Shin Chen, Chung-Yuan Lin, Tai-Cheng Lai, **Tsu-Nai Wang***. Protective effects of elafin against adult asthma. *Allergy and Asthma Proceedings (revision)* 2015 (**IF=3.01, Rank=8/24**).
2. Hui-Wen Hsiao, Chao-Chien Wu, Meng-Chih Lin, Chin-Chou Wang, Vincent Chin-Hung Chen, **Tsu-Nai Wang***. Comprehensive risk factors, asthma control and life quality pathways in adult asthmatics: A structural equation modeling analysis. *Allergy and Asthma Proceedings (revision)* 2015 (IF=3.01, Rank=8/24).
3. Chen VC, Kuo CJ, **Wang TN***, Lee WC, Chen WJ, Ferri CP, Tsai D, Lai TJ, Huang MC, Stewart R, Ko YC*. Suicide and Other-Cause Mortality after Early Exposure to Smoking and Second Hand Smoking: A 12-Year Population-Based Follow-Up Study. *PLoS One*. 2015 Jul 29;10(7):e0130044. (*:contributed equally as the corresponding authors) (IF: 3.730, Rank: 7/56)
4. **Tsai MJ**, **Wang TN**, Lin YS, Kuo PL, Hsu YL, Huang MS. Aryl hydrocarbon receptor agonists upregulate VEGF secretion from bronchial epithelial cells. *J Mol Med (Berl)*. 2015 Jun 17.(IF= 5.107)
5. Mong-Liang Lu[#], **Tsu-Nai Wang**[#], Tsang-Yaw Lin, Wen-Chuan Shao, Sheng-Huang Chang, Jen-Yu Chou, Yi -Feng Ho, Vincent Chin-Hung Chen * Differential effects of olanzapine and clozapine on plasma adipocytokines levels. *Prog Neuropsychopharmacol Biol Psychiatry*. 2014 Dec 9;58C:47-50. (#:contributed equally as the first authors) (**IF=4.025, Rank=29/136**)
6. Hsu YL, Tsai EM, Hou MF, **Wang TN**, Hung JY, Kuo PL. Obtusifolin Suppresses Phthalate Esters-Induced Breast Cancer Bone Metastasis by Targeting Parathyroid Hormone-Related Protein. *J Agric Food Chem*. 2014 Dec 2. (**IF=3.107, Rank=2/56**)
7. **Tsu-Nai Wang**, Ming-Shyan Huang, Meng-Chih Lin, Tsai-Hui Duh, Chih-Hung Lee, , Chin-Chou Wang, Ping-Ho Chen, Shang-Lun Chiang, Tung-Heng Wang, Chau-Chyun Sheu, Vincent Chin-Hung Chen, Chao-Chien Wu, Cleusa P. Ferri, Robert Stewart, Ying-Chin Ko. Betel chewing and arecoline affects eotaxin1, asthma and lung function. *PLOS one* 2014 Mar 21;9(3):e91889(**Impact Factor: 3.730, Rank: 7/56, 2012**)
8. Yishan Tsai , Yingchin Ko, Mingshyan Huang , Mengchih Lin , Chaochien Wu , Chinchou Wang , Yunxuan Chen , Jianing Li, **Tsunai Wang***. CHI3L1 polymorphisms associate with asthma in a Taiwanese population. *BMC*

- Medical Genetics 2014, Jul 15:86. (IF=2.450, Rank=93/165)
9. Liang SS, Wang TN, Tsai EM. Analysis of Protein-Protein Interactions in MCF-7 and MDA-MB-231 Cell Lines Using Phthalic Acid Chemical. *Int J Mol Sci.* 2014 Nov 13;15(11):20770-88.(IF=2.339, Rank=52/148)
 10. Chen VC, Wang TN, Liao YT, Lin TC, Stewart R, Lee CT. Asthma and self-harm: A population-based cohort study in Taiwan. *J Psychosom Res.* 2014 Dec;77(6):462-7 (IF=2.839, Rank=52/136)
 11. Chiang SL, Ou TT, Wu YJ, Tu HP, Lu CY, Huang CM, Kuo TM, Wang TN, Chou CH, Ko YC. Increased level of MSU crystal-bound protein apolipoprotein A-I in acute gouty arthritis. *Scand J Rheumatol.* 2014 Sep 2:1-5
 12. Tsai MJ, Hsu YL, Wang TN, Wu LY, Lien CT, Hung CH, Kuo PL, Huang MS. Aryl hydrocarbon receptor (AhR) agonists increase airway epithelial matrix metalloproteinase activity. *J Mol Med (Berl).* 2014 Jan 28. [Epub ahead of print] (IF=5.01, Rank=17/124)
 13. Chan TF, Lin WT, Chen YL, Huang HL, Yang WZ, Lee CY, Chen MH, Wang TN, Huang MC, Chiu YW, Huang CC, Tsai S, Lin CL, Lee CH. Elevated serum triglyceride and retinol-binding protein 4 levels associated with fructose-sweetened beverages in adolescents. *PLoS One.* 2014 Jan 27;9(1):e82004.(SCI, Impact Factor: 3.730, Rank: 7/56, 2012)
 14. Huang MY, Chen HC, Yang IP, Tsai HL, Wang TN, Juo SH, Wang JY. Tumorigenesis and tumor progression related gene expression profiles in colorectal cancer. *Cancer Biomark.* 2013 Jan 1;13(4):269-79.
 15. Huang MY, Yen LC, Liu HC, Liu PP, Chung FY, Wang TN, Wang JY, Lin SR. Significant overexpression of DVL1 in Taiwanese colorectal cancer patients with liver metastasis. *Int J Mol Sci.* 2013 Oct 14;14(10):20492-507.
 16. Pei-Jing Yang, Ruei-Nian Li, Chi-Chih Huang, Tung-Heng Wang, Ying-Chin Ko, Ming-Shyan Huang, Wang TN*. The methylation patterns of a disintegrin and metalloproteinase 33 gene (ADAM33) in adult asthma. *Int. Arch. Allergy Immunol.* 2013;161(1):74-80. (IF=2.403, Rank=11/24)
 17. Wang TN, Chang WT, Chiu YW, Lee CY, Lin KD, Cheng YY, Su YJ, Chung HF, Huang MC. Relationships between changes in leptin and insulin resistance levels in obese individuals following weight loss. *Kaohsiung J Med Sci.* 2013 Aug;29(8):436-43.
 18. Lin WT, Huang HL, Huang MC, Chan TF, Ciou SY, Lee CY, Chiu YW, Duh TH, Lin PL, Wang TN, Liu TY, Lee CH. Effects on uric acid, body mass index and blood pressure in adolescents of consuming beverages sweetened with high-fructose corn syrup. *Int J Obes (Lond).* 2013 Apr;37(4):532-9.
 19. Wang TN, Lin MC, Wu CC, Huang MS, Leung SY, Huang CC, Ho PS, Ko YC. Gender disparity of circulating high-sensitive CRP concentrations and obesity on asthma in Taiwan. *Clin Exp Allergy* 2011 Jan;41(1):72-7. (IF=5.032, Rank=3/24)

20. **Wang TN**, Lin MC, Wu CC, Leung SY, Huang MS, Chuang HY, Lee CH, Wu DC, Ho PS, Ko AM, Chang PY, Ko YC.. Risks of Exposure to Occupational Asthmogens in Atopic and Nonatopic Asthma: A Case-control Study in Taiwan. *American Journal of Respiratory and Critical Care Medicine* 2010 Dec 1;182(11):1369-76 (**IF=11.080,, Rank=1/48**)
21. Kuo CJ, Chen VC*, Lee WC, Chen WJ, Ferri CP, Stewart R, Lai TJ, Chen CC, **Wang TN***, Ko YC*. Asthma and suicide mortality among young people: A 12-year follow-up study. *The American Journal of Psychiatry* 2010 Sep;167(9):1092-9. (**IF=12.522, Rank=2/117**) (*:equal contribution for corresponding authors)
22. Lin WT, Huang HL, Huang MC, Chan TF, Ciou SY, Lee CY, Chiu YW, Duh TH, Lin PL, **Wang TN**, Liu TY, Lee CH*. Effects on Uric Acid, Body Mass Index and Blood Pressure in Adolescents of Consuming Beverages Sweetened with High-Fructose Corn Syrup. *Int J Obes (Lond)* 2012 Aug 14. [Epub ahead of print] (**I.F= 4.691, Rank= 6/72**)
23. **Wang TN**, Chao-Chien Wu, Ming-Shyan Huang, Chin-Chou Wang, Chi-Chih Huang, Tung-Heng Wang, Ting-Chia Lien Ying-Chin Ko, Meng-Chih Lin. The Polymorphisms of C-Reactive Protein Gene modify the association between central obesity and lung function in Taiwan. *Scand J Immunol* 2011 Nov;74(5):482-488 (**IF=2.230, Rank=98/139**)
24. Li-Ling Yang, Ming-Shyan Huang, Chi-Chih Huang, Tung-Heng Wang Meng-Chih Lin, Chao-Chien Wu, Chin-Chou Wang, Shao-Hua Lu, Tsu-Yu Yuan, Yen-Hsiung Liao, Ying-Chin Ko, **Wang TN*** .The association between adult asthma and Superoxide Dismutase and Catalase gene activity. *Int. Arch. Allergy Immunol.* 2011 Aug 9;156(4):373-380 (**IF=2.403, Rank=11/24**)
25. **Wang TN**, Tseng HI, Kao CC, Chu YT, Chen WY, Wu PF, Lee CH, Ko YC. The effects of NOS1 gene on asthma and total IgE levels in Taiwanese children, and the interactions with environmental factors. *Pediatric Allergy and Immunology* 2010, Nov;21(7):1064-71. (**IF: 2.459; Rank: 23/113**)
26. **Wang TN**, Chiang W, Tseng HI, Chu YT, Chen WY, Shih NH, Ko YC*. The polymorphisms of Eotaxin 1 and CCR3 genes influenced on serum IgE, Eotaxin levels and mild asthmatic children in Taiwan. *Allergy* 2007; 62(10): 1125- 30. (**IF= 6.271, Rank= 2/24**)
27. **Wang TN**, Chu YT, Chen WY, Feng WW, Shih NH, Hsiang CH, Ko YC. Association of interferon-gamma and interferon regulatory factor 1 polymorphisms with asthma in a family-based association study in Taiwan. *Clin Exp Allergy.* 2006 Sep;36(9):1147-52 (**IF: 5.032, Rank=3/24**)
28. Chen VC, **Wang TN**, Lu ML, Chou JY, Ju PC, Wu JY, Lin ZR, Ji TT, Chou CE, Lee CT, Lai TJ. Weight Gain and Ghrelin Level after Olanzapine Monotherapy. *Prog Neuropsychopharmacol Biol Psychiatry.* 2011 Mar 30;35(2):632-5. (IF=2.823, Rank=43/117)

29. Tu HP, Ko AM, Wang SJ, Lee CH, Lea RA, Chiang SL, Chiang HC, **Wang TN**, Huang MC, Ou TT, Lin GT, Ko YC. Monoamine oxidase A gene polymorphisms and enzyme activity associated with risk of gout in Taiwan aborigines. *Hum Genet.* 2010 Feb;127(2):223-9. (IF=4.042; Rank= 30/138)
30. Lin HY, Li SS, Yu ML, Hsiao PJ, Hsieh MC, Lin KD, Wang CL, **Wang TN**, Shin SJ. Small ubiquitin-like modifier-4 Met55Val polymorphism is associated with glycemic control of type 2 diabetes mellitus in Taiwan. *J Endocrinol Invest.* 2010 Jun;33(6):401-5.
31. Huang MC, **Wang TN**, Lee KT, Wu YJ, Tu HP, Liu CS, Chiang HC, Ko YC. Adiponectin gene SNP276 variants and central obesity confer risks for hyperglycemia in indigenous Taiwanese. *Kaohsiung J Med Sci.* 2010 May;26(5):227-36
32. Yu-Te Chu, Wu-Yang Chen, **Wang TN**, Hsing-I Tseng, Jiunn-Ren Wu, Ying-Chin Ko. Extreme BMI predicts higher asthma prevalence and is associated with lung function impairment in school-aged children. *Pediatr Pulmonol.* 2009 May;44(5):472-9. (IF= 2.267; Rank=15/78)
33. Lee CH, Wu DC, Wu IC, Goan YG, Lee JM, Chou SH, Chan TF, Huang HL, Hung YH, Huang MC, Lai TC, **Wang TN**, Lan CC, Tsai S, Lin WY, Wu MT. Genetic Modulation of ADH1B and ALDH2 Polymorphisms with Regard to Alcohol and Tobacco Consumption for Younger Aged Esophageal Squamous Cell Carcinoma Diagnosis. *Int J Cancer.* 2009 Feb 17;125(5):1134-1142 (IF= 4.734; Rank= 30/143)
34. Long CY, Hsu CS, Wu MP, Liu CM, **Wang TN**, Tsai EM. Comparison of tension-free vaginal tape and transobturator tape procedure for the treatment of stress urinary incontinence. *Curr Opin Obstet Gynecol.* 2009 Aug; 21(4): 342-7.(IF =2.279, rank=19/61)
35. Lin WC, Cheng TT, Lee YC, **Wang TN**, Cheng YF, Lui CC, Yu CY. New vertebral osteoporotic compression fractures after percutaneous vertebroplasty: retrospective analysis of risk factors. *J Vasc Interv Radiol.* 2008 Feb;19(2):225-31. (IF= 2.398; Rank=46/85)
36. Chiang TA, Chen PH, Wu PF, **Wang TN**, Chang PY, Ko AM, Huang MS, Ko YC. Important prognostic factors for the long-term survival of lung cancer subjects in Taiwan. *BMC Cancer.* 2008 Nov 7;8:324-332. (IF= 2.709 Rank=61/132) (SCI)
37. Huang MC, **Wang TN**, Wang HS, Sung YC, Ko YC, Chiang HC. The -1131T>C polymorphism in the apolipoprotein A5 gene is related to hypertriglyceridemia in Taiwanese aborigines. *Kaohsiung J Med Sci.* 2008 Apr;24(4):171-9.
38. **Wang TN**, Huang MC, Lin HL, Hsiang CH, Ko AM, Chang WT, Ko YC. UCP2 A55V variant is associated with obesity and related phenotypes in an aboriginal community in Taiwan. *Int J Obesity* 2007; 31, 1746–1752. (IF=4.04; Rank=4/53) [KMU92-Q01, NSC92-2320-B-037-037] (SCI)

39. Feng WW, **Wang TN**, Chen HC, Ho JC, KoYC. Malignancies after Renal Transplantation in Southern Taiwan—Experience in one centre. *BJU international* 2007, Apr;99(4):825-9 (IF= 2.089, Rank=15/52) (SCI)
40. Chen CH, Tan HK, Liao LR, Chen HH, Chan CC, Cheng JJ, Chen CY, **Wang TN**, Lu ML. Long-term psychological outcome of 1999 Taiwan earthquake survivors: a survey of a high-risk sample with property damage. *Compr Psychiatry*. 2007 May-Jun;48(3):269-75. (IF= 1.748, Rank=59/94) (SCI)
41. Huang MC, **Wang TN**, Liu YL, Pa TH, Tu HP, Huang YC, Chang WT, Ko YC. Effect of SstI polymorphism of the apolipoprotein CIII gene and environmental factors on risks of hypertriglyceridemia in Taiwan aborigines. *Circ J*. 2006 Aug;70(8):1030-6. (IF=1.998, Rank=28/72)[NSC 91-2320-B-037- 036] (SCI)
42. Juo SH, **Wang TN**, Lee JN, Wu MT, Long CU, Tsai EM. CYP17, CYP1A1 and COMT polymorphisms and the risk of adenomyosis and endometriosis in Taiwanese women. *Hum Reprod* 2006 Jun;21(6):1498-502. (IF= 3.365) [NSC 92-2314-B -037-109] (SCI)
43. **Wang TN**, Huang MC, Chang WT, Ko Albert MS, Tsai EM, Liu CS Lee CH, Ko YC. The G-2548A polymorphism of the leptin gene is correlated with extreme obesity in Taiwanese aborigines. *Obesity* 2006 Feb;14(2):183-7. (IF=3.972; Rank=5/53) [NSC 92-2320-B-037-037] (SCI)
44. **Wang TN**, Chen WY, Huang YF, Shih NH, Feng WW, Tseng HI, Lee CH, Ko YC. The synergistic effects of the IL-9 gene and environmental exposures on asthmatic Taiwanese families as determined by the transmission/disequilibrium test. *International Journal of Immunogenetics* 2006. Apr;33(2):105-10. [NSC 91-2320-B-037-048, NSC90-2320-B-037-043] (SCI)
45. YC Ko, MC Huang, **TN Wang**, SJ Chang, LY Tsai, HP Tu. Prevalences and Risk Factors Associated with Dyslipidemia in Children and Adolescent among Ethnic Groups in Taiwan. *Public Health* 2005; 119:489-497. (SCI)
46. Lee CH, Lee JM, Wu DC, Hsu HK, Kao EL, Huang HL, **Wang TN**, Huang MC, Wu MT. Independent and combined effects of alcohol intake, tobacco smoking and betel quid chewing on the risk of esophageal cancer in Taiwan. *Int J Cancer*. 2005;113(3):475-82. (SCI)
47. Wu PF, Chang TA, **Wang TN**, Ho PS, Ko Albert Min-Shan, Ko YC. Birth Cohort Effect on Lung Cancer Incidence in Taiwanese Women Assessed from 1981 to 1998. *Eur. J Cancer* 2005; (Accepted) (SCI)
48. **Wang TN**, Chen WY, Wang TH, Chen CJ, Huang LY, Ko YC. Gene-gene synergistic effect on atopic asthma: tumour necrosis factor-alpha-308 and lymphotoxin-alpha-Ncol in Taiwan's children. *Clinical & Experimental Allergy*. 34(2):184-8, 2004 (SCI)
49. Cheng LSC, Chiang SL, Tu HP, Chang SJ, **Wang TN**, Ko LMJ, Chakraborty R, and Ko YC. Genomewide Scan for Gout in Taiwanese Aborigines Reveals

- Linkage to Chromosome 4q25. *Am. J. Hum. Genet.* 2004; 75:498–503. (SCI)
50. Guo YJ, Chen CH, Lu ML, Tan HKL, Lee HW, **Wang TN**. Posttraumatic stress disorder among professional and nonprofessional rescuers involved in an earthquake in Taiwan. *Psychiatry Research* 2004; 127(1-2): 35-41. (SCI)
 51. Wang WH, Chang SJ, **Wang TN**, Cheng LS, Feng YP, Chen CJ, Huang CH, Ko YC. Complex segregation and linkage analysis of familial gout in Taiwanese aborigines. *Arthritis & Rheumatism.* 2004; 50(1):242-6. (SCI)
 52. **Wang KY**, Li SN, Liu CS, Perng DS, Su YC, Wu DC, Jan CM, Lai CH, **Wang TN**, **Wang WM**. Effects of injection of lactobacillus- and bifidobacterium-containing yogurt in Helicobacter Pylori colonized subjects. *AJCN* 2004; 80(3):737-41. (SCI)
 53. Cheng LS, **Wang TN**, Ko YC. Reply to correspondence from Axenovich and Borodin--"Some pitfalls of segregation analysis of complex traits. *Am J Med Genet.* 2003, 15;117A(1):101-2. (SCI)
 54. Ko YC, **Wang TN**, Tsai LY, Chang FT, Chang SJ. (2002) High Prevalence of Hyperuricemia in Adolescent Taiwan Aborigines. *J Rheumatol* 29:(4) .837-842 (SCI)
 55. **Wang TN**, Chao YY, Wang TH, Chen CJ, Ko YC*. (2001).Familial Risk of Asthma among Adolescent and Their Relatives. *J Asthma.* 2001, 38(6), 485-494. (SCI)
 56. Bosken CH, Ko YC, Shete S, **Wang TN**, Chen J, Amos CI, Li SC Cheng*. (2001) Adaptations of Linkage and Association Methods for the Study of Asthma, a Complex Trait. *Genetic Epidemiology* 2001, 21, s89-s96. (SCI)
 57. Ho PS, **Wang TN**, Hsieh TK. Ko YC. (2000). Differences in physician utilization between aboriginal and non-aboriginal children. *Family Practice* 17:414-421. (SCI)
 58. **Wang TN**, Ko YC, Wang TH, Li SC Cheng, Lin YC. (2000). Segregation analysis of asthma: a recessive major gene component for asthma in relation to history of atopic diseases. *Am J Med Genet*, 93: 373-380. (SCI)
 59. Tsai SM, **Wang TN**, Ko YC. (1999).Cancer Mortality Trends in a Blackfoot disease Endemic Community of Taiwan Following Water Source Replacement. *Journal of Toxicology and Environmental Health.* 55, 389-404. (SCI)
 60. Tsai SM, **Wang TN**, Ko YC. (1999). Mortality for certain diseases in areas with high levels of arsenic in drinking water. *Archives of Environmental Health* 54:186-193. (SCI)
 61. **Wang TN**, Ko YC, Chao YY, Huang CC, Lin RS. (1999). Association between indoor and outdoor air pollution and adolescent asthma from 1995 to 1996 in Taiwan. *Environmental Research* 81:239-247. (SCI)
 62. Yang CY, Chiu HF, Chiu JF, **Wang TN**, Cheng MF. Magnesium and calcium in drinking water and cerebrovascular mortality in Taiwan. *Magnesium Research.* 10(1):51-7, 1997(SCI)

63. Chang SJ, Ko YC, **Wang TN**, Chang FT, Cinkotai FF, Chen CJ. (1997). High prevalence of gout and related risk factors in Taiwan's aborigines. *Journal of Rheumatology* :24, 1364-9. (SCI)
64. Yang CY, Chiu JF, Chiu HF, **Wang TN**, Lee CH, Ko YC. (1996). Relationship between water hardness and coronary mortality in Taiwan. *J Toxicol Environ Health* 48, 101-109. (SCI)
65. Chang FT, Chang SJ, Wu YY, **Wang TN**, Ko YC. (1995). Body mass index and hyperuricemia differences between aboriginal and non-aboriginal children in Taiwan. *Kaohsiung J Med Sci* 11:315-321