



**Hui-Ju Tsai, MPH, PhD  
Investigator**

+886-37-246166 ext. 36150

+886-37-586467

[tsaihj@nhri.edu.tw](mailto:tsaihj@nhri.edu.tw)

**Education**

M.S. in Biochemistry,  
National Yang-Ming University, Taiwan  
M.P.H. in Chronic Disease Epidemiology  
Yale University, U.S.A.  
Ph.D. in Statistical Genetics/ Genetic Epidemiology  
University of Pittsburgh, U.S.A.

**Professional Experiences**

- 2016 – Advisory Board Member of Continue Education, Pharmaceutical Society of Taiwan.
- 2015 – Advisory Board Member, Allergy and Clinical Immunology Research Center, National Cheng Kung University, Tainan, Taiwan.
- 2014 – Joint Associate Professor, Department of Public Health, China Medical University, Taichung, Taiwan
- 2009 – Associate Investigator, Division of Biostatistics and Bioinformatics, Institute of Population Health Sciences, National Health Research Institutes, Zhunan, Taiwan.
- 2009 – 2017 Adjunct Assistant Professor, Department of Pediatrics, Northwestern University Feinberg School of Medicine, Chicago.
- 2006 – 2009 Assistant Professor, the Smith Child Health Research Program, Children's Memorial Hospital/Research Center; and Department of Pediatrics, Northwestern University Feinberg School of Medicine, Chicago.
- 2004 – 2006 Postdoctoral fellow, Department of Medicine, University of California, San Francisco, San Francisco, CA.
- 1997 – 2000 Statistician, Division of Biostatistics and Bioinformatics, National Health Research Institutes, Taipei, Taiwan.

**Research Interests**

Genetic epidemiology, pharmacoepidemiology and translational research in pediatric diseases

**Research Activities & Accomplishment**

Over 110 SCI papers (since 2001)  
National Health Research Institutes-Institutional Repository:  
<http://ir.nhri.org.tw/handle/3990099045/4055>

**Selected Publications**

1. Weeks DE, Conley YP, **Tsai HJ**, Mah TS, Rosenfeld PJ, Paul TO, Eller AW, Morse LS, Dailey JP, Ferrell RE, Gorin MB. Age-related maculopathy: an expanded genome-wide scan with evidence of

susceptibility loci within the 1q31 and 17q25 regions. *Am J Ophthalmol.* 2001 Nov; 132(5):682-92.

2. **Tsai HJ**, Sun G, Weeks DE, Kaushal R, Wolujewicz M, McGarvey ST, Tufa J, Viali S, Deka R. Type 2 diabetes and three calpain-10 gene polymorphisms in Samoans: no evidence of association. *Am J Hum Genet.* 2001 Dec; 69(6):1236-44.
3. Wu KD, Hsiao CF, Ho LT, Sheu WH, Pei D, Chuang LM, Curb D, Chen YD, **Tsai HJ**, Dzau VJ, Cox D, Tai TY. Clustering and heritability of insulin resistance in Chinese and Japanese hypertensive families: a Stanford-Asian Pacific Program in Hypertension and Insulin Resistance sibling study. *Hypertens Res.* 2002 Jul; 25(4):529-36.
4. Weeks DE, Conley YP, **Tsai HJ**, Mah TS, Schmidt S, Postel EA, Agarwal A, Haines JL, Pericak-Vance MA, Rosenfeld PJ, Paul TO, Eller AW, Morse LS, Dailey JP, Ferrell RE, Gorin MB. Age-Related Maculopathy: A Genomewide Scan with Continued Evidence of Susceptibility Loci within the 1q31, 10q26, and 17q25 Regions. *Am J Hum Genet.* 2004 Aug; 75(2):174-89.
5. **Tsai HJ**, Sun G, Smelser D, Viali S, Tufa J, Jin L, Weeks DE, McGarvey ST, Deka R. Distribution of genome-wide linkage disequilibrium based on microsatellite loci in the Samoan population. *Human Genomics.* 2004 Aug; 1(5):327-334.
6. Choudhry S, Avila PC, Nazario S, Ung N, Kho J, Rodriguez-Santana JR, Casal J, **Tsai HJ**, Torres A, Ziv E, Toscano M, Sylvia JS, Alioto M, Salazar M, Gomez I, Fagan JK, Salas J, Lilly C, Matallana H, Castro RA, Selman M, Weiss ST, Ford JG, Drazen JM, Rodriguez-Cintron W, Chapela R, Silverman EK, Burchard EG. CD14-Tobacco Gene-Environment Interaction Modify Asthma Severity and Immunoglobulin E Levels in Latino Asthmatics. *Am J Respir Crit Care Med.* 2005 Jul;172(2):173-82.
7. Burchard EG, Borrell LN, Choudhry S, Naqvi M, **Tsai HJ**, Rodriguez-Santana JR, Chapela R, Rogers SD, Mei R, Rodriguez-Cintron W, Arena JF, Kittles R, Perez-Stable EJ, Ziv E, Risch N. Latino Populations: A unique contribution to the study of Race, Genetics and Social Environment in Epidemiologic Research. *Am J Public Health.* 2005 Dec;95(12):2161-8.
8. **Tsai HJ**<sup>\*</sup>, Choudhry S, Naqvi M, Rodriguez-Cintron W, Burchard EG, Ziv E. Comparison of three methods to estimate genetic ancestry and control for stratification in genetic association studies among admixed populations. *Hum Genet.* 2005 Dec;118(3-4):424-33.
9. Reck BH, Mukhopadhyay N, **Tsai HJ**, Weeks DE. Analysis of alcohol dependence phenotype on the COGA families using covariates to detect linkage. *BMC Genet.* 2005 Dec;6 Suppl 1:S143.

10. Choudhry S, Coyle NE, Tang H, Salari K, Lind D, Clark SL, **Tsai HJ**, Naqvi M, Phong A, Ung N, Matallana H, Avila PC, Casal J, Torres A, Nazario S, Castro R, Battle NC, Perez-Stable EJ, Kwok PY, Sheppard D, Shriver MD, Rodriguez-Cintron W, Risch N, Ziv E, Burchard EG. Population Stratification Confounds Genetic Association Studies of Asthma among Latino Americans. *Hum Genet.* 2006 Jan;118(5):652-64.
11. **Tsai HJ\***, Kho J, Shaikh N, Choudhry S, Naqvi M, Navarro D, Matallana H, Castro R, Lilly CM, Watson HG, Meade K, LeNoir M, Thyne S, Ziv E, Burchard EG. Admixture-Matched Case-Control Study: A Practical Approach for Genetic Association Studies in Admixed Populations. *Hum Genet.* 2006 Jan;118(5):626-39.
12. **Tsai HJ**, Weeks DE. Comparison of methods incorporating covariates into affected sib pair linkage analysis. *Genet Epidemiol.* 2006 Jan;30(1):77-93.
13. **Tsai HJ**, Shaikh N, Kho JY, Battle N, Naqvi M, Navarro D, Matallana H, Lilly CM, Eng CS, Kumar K, Thyne S, Watson HG, Meade K, LeNoir M, Choudhry S, Burchard EG; from the Study of African Americans, Asthma, Genes Environments (SAGE).  $\beta_2$ -Adrenergic receptor polymorphisms: pharmacogenetic response to bronchodilator among African American asthmatics. *Hum Genet.* 2006 Jun;119 (5):547-57.
14. Tsai YJ, Choudhry S, Kho J, Beckman K, **Tsai HJ**, Navarro D, Matallana H, Castro RA, Lilly CM, Nazario S, Rodriguez-Santana JR, Casal J, Torres A, Salas J, Chapela R, Watson HG, Meade K, Avila PC, Rodriguez-Cintron W, LeNoir M, Burchard EG; Genetics of Asthma in Latino Americans Study; Study of African Americans, Asthma, Genes and Environments Investigators. The PTGDR gene is not associated with asthma in 3 ethnically diverse populations. *Journal of Allergy & Clinical Immunology.* 2006 Dec;118(6): 1242-8.
15. Battle NC, Choudhry S, **Tsai HJ**, Eng C, Kumar G, Beckman K, Naqvi M, Meade K, Watson HG, LeNoir M, Burchard EG on behalf of the Study of African Americans, Asthma, Genes & Environments (SAGE) Investigators. Ethnic specific gene-gene interaction between IL-13 and IL-4R $\alpha$  among African American Asthmatics. *Am J Respir Crit Care Med.* 2007 May;175(9):881-7.
16. Naqvi M, Choudhry S, **Tsai HJ**, Thyne S, Navarro D, Nazario S, Rodriguez-Santana J, Casal J, Torres A, Chapela R, Watson H, Meade K, Rodriguez-Cintron W, LeNoir M, Avila P, Burchard EG. Association between immunoglobulin E levels and asthma severity among African American, Mexican and Puerto Rican asthmatics. *J Allergy Clin Immunol.* 2007 Jul;120(1):137-43.

17. Naqvi M, Thyne S, Choudhry S, **Tsai HJ**, Navarro D, Castro RA, Nazario S, Rodriguez-Santana JR, Casal J, Torres A, Chapela R, Watson HG, Meade K, LeNoir M, Avila PC, Rodriguez-Cintron W, Burchard EG. Ethnic-specific Differences in Bronchodilator Responsiveness Among African Americans, Puerto Ricans, and Mexicans with Asthma. *J Asthma*. 2007 Oct;44(8):639-48.
18. **Tsai HJ\***, Liu X, Mestan K, Yu Y, Zhang S, Fang Y, Pearson C, Ortiz K, Zuckerman B, Bauchner H, Cerda S, Stubblefield PG, Xu X, Wang X. Maternal cigarette smoking, metabolic gene polymorphisms, and preterm delivery: new insights on GxE interactions and pathogenic pathways. *Hum Genet*. 2008 May;123(4):359-69.
19. Aberg K, Sun G, Smelser D, Indugula SR, **Tsai HJ**, Steele MS, Tuitele J, Deka R, McGarvey ST, Weeks DE. Applying novel genome-wide linkage strategies to search for loci influencing type 2 diabetes and adult height in American Samoa. *Hum Biol*. 2008 Apr;80(2):99-123.
20. Hong X, **Tsai HJ**, Liu X, Li Z, Liu X, Tang G, Xing H, Yang J, Wang B, Feng Y, Xu X, Xu X, Wang X. A Large-Scale Genome-Wide Linkage Analysis to Map Loci Linked to Stature in Chinese population. *J Clin Endocrinol Metab*. 2008 Nov;93(11):4511-8.
21. **Tsai HJ\***, Kumar R, Pongracic J, Liu X, Story R, Yu Y, Caruso D, Costello J, Schroeder A, Fang Y, O'Gorman M, Wang X. Familial aggregation of food allergy and sensitization to food allergens: A family-based study. *Clin Exp Allergy*. 2009 Jan;39(1):101-9.
22. Hong X, Zhou H, **Tsai HJ**, Wang X, Liu X, Wang B, Xu X, Xu X. Cysteinyl Leukotriene Receptor 1 Gene Variation and Risk of Asthma in Chinese Population. *Eur Respir J*, 2009 Jan;33(1):42-8.
23. Yu Y#, **Tsai HJ#**, Liu X, Zhang S, Pearson C, Ortiz K, Zuckerman B, Bauchner H, Xu X, Wang X. The interaction between F5 gene polymorphisms and maternal smoking during pregnancy on preterm delivery. *Hum Genet*. 2009 Jan;124(6):659-68.
24. Liu X, Zhang SC, **Tsai HJ**, Hong XM, Wang BY, Fang YP, Liu X, Pongracic J, Wang X. Genetic and Environmental Contributions to Allergen Sensitization in a Chinese Twin Study. *Clin Exp Allergy*. 2009 Jul;39(7):991-8.
25. **Tsai HJ\***, Yu Y, Zhang S, Pearson C, Ortiz K, Xu X, Bauchner H, Zuckerman B, Wang X. Association of Genetic Ancestry with Preterm Delivery and Related Traits among African American Mothers. *Am J Obstet Gynecol*. 2009 Jul;201(1):94.e1-10.
26. Zhang S, Liu X, Yu Y, Hong X, Christoffel KK, Wang B, **Tsai HJ**, Li Z, Liu X, Tang G, Xing H, Brickman WJ, Zimmerman D, Xu X, Wang X. Genetic and Environmental Contributions to Phenotypic Components

of Metabolic Syndrome: A Population-based Twin Study. *Obesity*. 2009 Aug;17(8):1581-7.

27. Zhang S, Liu X, Brickman WJ, Christoffel KK, Zimmerman D, **Tsai HJ**, Wang G, Wang B, Li Z, Tang G, Liu X, Yang J, Xu X, Wang X. Association of Plasma Leptin Concentrations with Adiposity Measurements in Rural Chinese Adolescents. *J Clin Endocrinol Metab*. 2009 Sep;94(9):3497-504.
28. Hong X, Arguelles LM, **Tsai HJ**, Zhang S, Wang G, Wang B, Liu X, Li Z, Tang G, Xing H, Xu X, Wang X. Plasma Adipokines, Bone Mass, and Hip Geometry in Rural Chinese Adolescents. *J Clin Endocrinol Metab*. 2010 Apr;95(4):1644-52.
29. Hong X, Arguelles LM, Liu X, **Tsai HJ**, Hsu YH, Wang B, Zhang S, Li Z, Tang G, Liu X, Yang J, Xu X, Langman C, Wang X. Percent Fat Mass Is Inversely Associated with Bone mass and Hip Geometry in rural Chinese adolescents. *J Bone Miner Res*. 2010 Jan 29;25(7):1544-1554.
30. Zhang S, Liu X, Necheles J, **Tsai HJ**, Wang G, Wang B, Xing H, Li Z, Liu X, Zang T, Xu X, Wang X. Genetic and Environmental Influences on Serum Lipid Tracking: A Population-Based, Longitudinal Chinese Twin Study. *Pediatr Res*. 2010 Oct;68(4):316-22.
31. **Tsai HJ**<sup>#</sup>, Hsiao CF<sup>#</sup>, Ho LT, Chuang LM, He CT, Curb JD, Quertermos T, Hsiung CA, Sheu WH. Genetic Variants of Human Urea Transporter-2 are Associated with Metabolic Syndrome in Asian Population. *Clin Chim Acta*. 2010 Dec;411(23-24):2009-13.
32. Hong X<sup>#</sup>, **Tsai HJ**<sup>#</sup>, Liu X<sup>#</sup>, Arguelles L, Kumar R, Wang G, Kuptsova-Clarkson N, Pearson C, Ortiz K, Bonzagni A, Apollon S, Fu L, Pongracic JA, Schleimer R, Holt PG, Bauchner H, Wang X. Does Genetic Regulation of IgE Begin In-Utero? Evidence from TH1/TH2 Gene Polymorphisms and Cord Blood Total IgE. *J Allergy Clin Immunol*. 2010 Nov;126(5):1059-1067.e1.
33. Hong X, Wang G, Liu X, Kumar R, **Tsai HJ**, Arguelles L, Hao K, Pearson C, Ortiz K, Bonzagni A, Apollon S, Fu L, Caruso D, Pongracic JA, Schleimer R, Holt PG, Bauchner H, Wang X. Gene Polymorphisms, Breastfeeding and Development of Food Sensitization in Early Childhood. *J Allergy Clin Immunol*. 2011 Aug;128(2):374-381.e2.
34. Kumar R, **Tsai HJ**, Hong X, Liu X, Wang G, Pearson C, Ortiz K, Fu L, Pongracic JA, Bauchner H, Wang X. Race, Ancestry and Development of Food Allergen Sensitization in Early Childhood. *Pediatrics*. 2011 Oct;128(4):e821-9.
35. Liu X, Wang G, Hong X, Wang D, **Tsai HJ**, Zhang S, Arguelles L, Kumar R, Wang H, Liu R, Zhou Y, Pearson C, Ortiz K, Schleimer R,

- Holt P, Pongracic JA, Price HE, Langman C, Wang X. Gene-Vitamin D Interactions on Food Sensitization: A prospective birth cohort study. *Allergy*. 2011 Nov;66(11):1442-8.
36. **Tsai HJ\***, Hong X, Chen J, Liu X, Pearson C, Ortiz K, Hirsch E, Heffner L, Weeks DE, Zuckerman B, Wang X. Role of African Ancestry and Gene-Environment Interactions in Predicting Preterm Birth. *Obstet Gynecol*. 2011 Nov;118(5):1081-1089.
37. Wang G, Arguelles L, Liu R, Zhang S, Brickman WJ, Hong X, **Tsai HJ**, Wang B, Xing H, Li Z, Xu X, Wang X. Tracking blood glucose and predicting prediabetes in Chinese children and adolescents: a prospective twin study. *PLoS One*. 2011;6(12):e28573.
38. Kumar R, **Tsai HJ**, Xiumei H, Pearson C, Ortiz K, Fu M, Pongracic JA, Bauchner H, Wang X. African Ancestry, Early Life Exposures, and Respiratory Morbidity in Early Childhood. *Clin Exp Allergy*. 2012 Feb;42(2):265-74.
39. Liu X, Wang G, Hong X, **Tsai HJ**, Liu R, Zhang S, Wang H, Pearson C, Ortiz K, Wang D, Hirsch E, Zuckerman B, Wang X. Associations between gene polymorphisms in fatty acid metabolism pathway and preterm delivery in a US urban black population. *Hum Genet*. 2012 Mar;131(3):341-51.
40. Chen SJ, Chao YL, Chen CY, Chang CM, Wu E CH, Wu CS, Yeh HH, Chen CH, **Tsai HJ\***. Prevalence of autoimmune diseases in hospitalized schizophrenic patients: a nationwide population-based study. *Br J Psychiatry*. 2012 May;200(5):374-380.
41. Chang CM, Wu KY, Liang HY, Wu E CH, Chen CY, Wu CS, Chen SJ, Chen CH, Chang TK, **Tsai HJ\***. Adherence Patterns With First- Versus Second-Generation Antipsychotics for Newly Diagnosed Schizophrenia in Taiwan. *Psychiatr Serv*. 2012 May; 63(5):504-507.
42. Wang D, Liu X, Zhou Y, Xie H, Hong X, **Tsai HJ**, Wang G, Liu R, Wang X. Individual Variation and Longitudinal Pattern of Genome-Wide DNA Methylation From Birth to the First Two Years of Life. *Epigenetics*. 2012 Jun 1;7(6):594-605.
43. Wu CS, Chang CM, Chen CY, Wu E CH, Wu KY, Liang HY, Chao YL, Chung I WS, **Tsai HJ\***. Association between Antidepressants and Venous Thromboembolism in Taiwan. *J Clin Psychopharmacol*. 2013 Feb;33(1):31-7.
44. **Tsai HJ**, Wang SC, Tian JN, Chang TK, Ho IK, Hsiao CF, Chen CH, Tan KL, Lin L, Wu CS, Su LW, Huang CL, Yang YH, Liu ML, Lin KM, Liu YL. PXR polymorphisms interacted with *CYP2B6* polymorphisms on methadone metabolites. *J Clin Psychopharmacol*. 2013 Feb;33(1):137-40.

45. Wu CS, Wang SC, Gau SF, **Tsai HJ**, Cheng YC. Association of Stroke with the Receptor-Binding Profiles of Antipsychotics-A Case-Crossover study. *Biol Psychiatry*. 2013 Mar 1;73(5):414-21. Chang CM, Wu CH, Chen CY, Wu KY, Liang HY, Chau YL, Wu CS, Lin KM, **Tsai HJ**\*. Psychotropic Drugs and Risk of Motor Vehicle Accidents: a Population-based Case-Control Study. *Br J Clin Pharmacol*. 2013 Apr;75(4):1125-33.
46. Chen CY, Liang HY, Chang CM, Lin JH, Chang TK, **Tsai HJ**\*. Factors Associated with Newly Diagnosed Tic Disorders among Children in Taiwan: A 10-Year Nationwide Longitudinal Study. *J Psychiatr Res*. 2013 Aug;47(8):1013-8.
47. Wang JY, Liu LF, Chen CY, Huang YW, Hsiung CA, **Tsai HJ**\*. Acetaminophen and/or Antibiotic Use in Early Life and the Development of Childhood Allergic Diseases. *Int J Epidemiol*. 2013 Aug;42(4):1087-1099.
48. Liu X, Arguelles L, Zhou Y, Wang G, Chen Q, **Tsai HJ**, Hong X, Liu R, Price H, Pearson C, Apollon S, Cruz N, Schleimer R, Langman C, Pongracic J, Wang X. The Longitudinal Trajectory of Vitamin D Status from Birth to Early Childhood on the Development of Food Sensitization. *Pediatr Res*. 2013 Sep;74(3):321-6. doi: 10.1038/pr.2013.110. Epub 2013 Jun 24.
49. Wu CS, Lin CC, Chang CM, Wu KY, Liang HY, Huang YW, **Tsai HJ**\*. Antipsychotic Treatment and the Occurrence of Venous Thromboembolism: A 10-Year Nationwide Registry Study. *J Clin Psychiatry*. 2013 Sep;74(9):918-24.
50. Wu KY, Chang CM, Liang HY, Wu CS, Wu CH, Chen CH, Chau YL, **Tsai HJ**\*. Increased risk of developing dementia in patients with bipolar disorder: a nested matched case-control study. *Bipolar Disord*. 2013 Nov;15(7):787-94.
51. Tu YL, Chang SW, **Tsai HJ**, Chen LC, Lee WI, Hua MC, Cheng JH, Ou LS, Yeh KW, Huang JL, Yao TC. Total Serum IgE in A Population-Based Study of Asian Children: Reference Value and Significance in the Diagnosis of Allergy. *PLoS One* 2013 Nov 20;8(11):e80996.
52. Liao DL, Cheng MC, Lai CH, **Tsai HJ**, Chen CH. Comparative gene expression profiling analysis of lymphoblastoid cells reveals neuron-specific enolase gene (ENO2) as a susceptibility gene of heroin dependence. *Addict Biol*. 2014 Jan;19(1):102-10.
53. Liu X, Chen Q, **Tsai HJ**, Wang G, Hong X, Zhou Y, Zhang C, Liu C, Liu R, Wang H, Zhang S, Yu Y, Mestan K, Pearson C, Otlans P, Zuckerman B, Wang X. Maternal Preconception Body Mass Index and Offspring Cord Blood DNA Methylation: Exploration of Early Life Origins of Disease. *Environ Mol Mutagen*. 2014 Apr;55(3):223-30.

54. Yao TC<sup>#</sup>, **Tsai HJ<sup>#</sup>**, Tu YL, Chang SW, Hua MC, Liao SL, Tsai MH, Chiu CY, Lai SH, Yeh KW, Huang JL; for the PATCH study group. Multiplexed IgE Sensitization in Relation to Exhaled Nitric Oxide in A Population Sample of Children. *Allergy*. 2014 May;69(5):678-82.
55. **Tsai HJ**, Wang SC, Liu SW, Ho IK, Chang YS, Tsai YT, Lin KM, Liu YL. Assessment of Cytochrome P450 Genetic Variability on Methadone Dose and Tolerance. *Pharmacogenomics*. 2014 May;15(7):977-86.
56. Yao TC, Tu YL, Chang SW, **Tsai HJ**, Gu PW, Ning HC, Hua MC, Liao SL, Tsai MH, Chiu CH, Lai SH, Yeh KW, Huang JL. Suboptimal vitamin D status in a population-based study of Asian children: prevalence and relation to allergic diseases and atopy. *PLoS One*. 2014 Jun 3;9(6):e99105.
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58. Wu CS, Lai MS, Gau S SF, Wang SC, **Tsai HJ<sup>\*</sup>**. Validation of clinical diagnoses, medication use, and health system utilization in Taiwan's National Health Insurance Research Database. *PLoS One*. 2014 Dec 2;9(12):e112257.
59. Yin YC, Lin CC, Chen TT, Chen JY, **Tsai HJ**, Wang CY, Chen SY. Clozapine Induces Autophagic Cell Death in Non-Small Cell Lung Cancer Cells. *Cell Physiol Biochem*. 2015 Feb;35(3):945-56.
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61. Wu CS, Tsai YT, **Tsai HJ<sup>\*</sup>**. Antipsychotic Drugs and the Risk of Ventricular Arrhythmia and/or Sudden Cardiac Death: A Nationwide Case-Crossover Study. *J Am Heart Assoc*. 2015 Feb 23;4(2).
62. **Tsai HJ**, Hsu YH, Huang YW, Chang YK, Liu JS, Hsu CC. Use of Non-steroidal Anti-Inflammatory Drugs and Risk of Chronic Kidney Disease in Subjects with Type 2 Diabetes Mellitus, a Nationwide Prospective Cohort Study. *Diabetic Med*. 2015 Mar;32(3):382-90.
63. Chuang SY, Yu Y, Sheu WH, Tsai YT, Liu X, Hsiung CA, **Tsai HJ<sup>\*</sup>**. Short-term Use of Nonsteroidal Anti-Inflammatory Drugs and Risk of Stroke in Patients with Hypertension. *Stroke*. 2015 Apr;46(4):996-1003.



64. Wu CS, Chang CM, Tsai YT, Huang YW, **Tsai HJ\***. Antipsychotic Treatment and the Risk of Hip Fracture in Subjects with Schizophrenia: A 10-Year Population-Based Case-Control Study. *J Clin Psychiatry*. 2015 Sep;76(9):1216-23.
65. Hsu CC, Wang H, Hsu YH, Chuang SY, Huang YW, Chang YK, Liu JS, Hsiung CA, **Tsai HJ\***. Use of non-steroidal anti-inflammatory drugs and risk of chronic kidney disease in subjects with hypertension, a nationwide longitudinal cohort study. *Hypertension*. 2015 Sep;66(3):524-33.
66. Yao TC, Chang SW, Chiu CY, Hua MC, Liao SL, Tsai MH, Lai SH, Tseng YL, Yeh KW, **Tsai HJ\***, Huang JL\*; for the PATCH study group. Tobacco smoke exposure and multiplexed immunoglobulin E sensitization in children: a population-based study. *Allergy*. 2016 Jan;71(1):90-8.
67. Chang CM, Wu CS, Huang YW, Chau YL, **Tsai HJ\***. Utilization of Psychopharmacological Treatment among Patients with Newly Diagnosed Bipolar Disorder from 2001 to 2010. *J Clin Psychopharmacol*. 2016 Feb;36(1):32-44.
68. Chung RH, Tsai WY, Kang CY, Yao PJ, **Tsai HJ**, Chen CH. FamPipe: An automatic analysis pipeline for analyzing sequencing data in families for disease studies. *PLOS Comp Biol*. 2016 Jun 6;12(6):e1004980.
69. Chang CM, Wu KY, Chiu YW, Wu HT, Tsai YT, Chau YL, **Tsai HJ\***. Psychotropic Drugs and Risk of Burn Injury in Individuals with Mental Illness: a 10-Year Population-based Case-Control Study. *Pharmacoepidemiol Drug Saf*. 2016 Aug;25(8):918-27.
70. Hsu WY#, **Tsai HJ#**, Yu SH, Hsu CC, Tsai YT, Tzeng HY, Lin IC, Liu K, Lee MM, Chiu NY, Hsiung CA. Association of depression and psychotropic medication on cardiac related outcomes in a nationwide community-dwelling elderly population in Taiwan. *Medicine* 2016 Aug;95(31):e4419.
71. Hong X, Ladd-Acosta C, Hao K, Ji H, Caruso D, Liu X, Keet CA, Kumar R, Wang G, Chen Z, Ji Y, Mao G, Walker SO, Bartell TR, Ji Z, Sherwood B, Sun Y, **Tsai HJ**, Pongracic JA, Weeks DE, Wang X. Epigenome-wide association study links site-specific DNA methylation changes with cow's milk allergy. *J Allergy Clin Immunol*. 2016 Sep;138(3):908-911.
72. Wang JY, Chen CA, Hou YI, Hsiao WL, Huang, YW, Tsai YT, **Tsai HJ\***. Longitudinal pattern of multiplexed immunoglobulin E Sensitization from prenatal stage to the first year of life. *Pediatr. Allergy Immunol*. 2016 Sep;27(6):620-6.

73. Wu CS, Liao SC, Tsai YT, Chang SS\*, **Tsai HJ\***. Comparative risk of self-harm hospitalization amongst depressive disorder patients using different antidepressants: a population-based cohort study in Taiwan. *Psychol Med* 2016 Sep;23:1-12.
74. Wang HY, Chang YL, Cheng CC, Chao MW, Lin SI, Pan SL, Hsu CC, Liu TW, Cheng HC, Tseng CP, Liu SJ, **Tsai HJ**, Chang SY, Hsu JTA. Glucocorticoids may Compromise the Effect of Gefitinib in Non-Small Cell Lung Cancer. *Oncotarget*. 2016 Nov 7. doi: 10.18632/oncotarget.13185. [Epub ahead of print]
75. Chen CH, J SS, Hsieh LL, Tang R, Hsiung CA, **Tsai HJ\***, Chang IS\*. DNA methylation identifies loci distinguishing hereditary nonpolyposis colorectal cancer without germline *MLH1/MSH2* mutation from sporadic colorectal cancer. *Clin Transl Gastroenterol* 2016 Dec 15;7(12):e208.
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77. Hsu CC, Chang YK, Hsu YH, Lo YR, Liu JS, Hsiung CA, **Tsai HJ\***. Association of Nonsteroidal Anti-Inflammatory Drugs Use with Stroke among Dialysis Patients. *Kidney Int Rep*. 2017 Jan 17;2(3):400-409.
78. **Tsai HJ\***, Surkan PJ, Yu SM, Caruso D, Hong X, Bartell TR, Wahl AD, Sampankanpanich C, Reily A, Zuckerman BS, Wang X. Differential effects of stress and African ancestry on preterm birth and related traits among US born and immigrant Black mothers. *Medicine (Baltimore)* 2017 Feb;96(5):e5899.
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#### **Patent**

