

## CURRICULUM VITAE

**DATE PREPARED:** 7-26-2022

**Name:** Chao-Yu Guo, Ph.D.

**Office Address:** No.155, Sec.2, Linong Street, Medical Building 2,  
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**Place of Birth:** Taipei, Taiwan

### Education:

1998 B.S. National Chen Chi University (Applied Mathematics), Taiwan  
2000 M.S. National Taiwan University School of Public Health (Biostatistics), Taiwan  
2004 Ph.D. Boston University School of Public Health (Biostatistics), Boston, MA, USA



### Academic Appointments:

05/2004-05/2007 Research Assistant Professor, Department of Mathematics and Statistics, Boston University, Boston, MA  
01/2008-09/2010 Assistant Professor, Department of Pediatrics, Harvard Medical School, Boston, MA  
09/2010-07/2011 Assistant Professor, Department of Environmental and Occupational Health, College of Medicine, National Cheng Kung University, Tainan, Taiwan  
08/2011-01/2015 Assistant Professor, Institute of Public Health, National Yang Ming University, Taipei, Taiwan  
02/2015-01/2021 Associate Professor, Institute of Public Health, National Yang Ming University, Taipei, Taiwan  
02/2022-present Associate Professor, Institute of Public Health, National Yang Ming Chiao Tung University, Taipei, Taiwan

### Other Professional Positions:

09/2000-05/2002 Research Assistant, NHLBI's Framingham Heart Study, Framingham, MA  
05/2002-12/2002 Biostatistics intern, Genomics Collaborative Inc. Cambridge, MA  
01/2003-05/2004 Research assistant, Department of Biostatistics, Boston University, Boston, MA  
05/2004-05/2007 Statistician, NHLBI's Framingham Heart Study, Framingham, MA  
06/2007-09/2010 Statistical Geneticist, Program in Genomics, Children's Hospital, Boston, MA  
06/2007-09/2010 Senior Biostatistician, Clinical Research Program, Children's Hospital, Boston, MA  
09/2010-07/2011 Biostatistical Consultant, National Cheng Kung University Hospital, Taiwan

### Major Committee Assignments:

#### *USA Regional/Institutional*

2006-2007 500K Genetics Committee, *Member*, NHLBI's Framingham Heart Study

## **Journal Editorial Board**

Guest Editor

International Journal of Environmental Research and Public Health (SCI, ranking Q1, IF=4.6)  
[https://www.mdpi.com/journal/ijerph/special\\_issues/machinelearning\\_cardiovascular diseases](https://www.mdpi.com/journal/ijerph/special_issues/machinelearning_cardiovascular diseases)

Guest Editor

Symmetry (SCI, ranking Q2, IF=2.9)  
[https://www.mdpi.com/journal/symmetry/special\\_issues/Symmetry\\_Applied\\_Bayes\\_Statistics](https://www.mdpi.com/journal/symmetry/special_issues/Symmetry_Applied_Bayes_Statistics)

Review Editor

Frontiers in Public Health (SCI, ranking Q1, IF 6.4)

## **Journal Reviewer**

BioMed Central Genetics, Ad Hoc, 2005  
Statistics in Medicine, Ad Hoc, 2006  
BioMed Central Genetics, Ad Hoc, 2006  
BioMed Central Bioinformatics, Ad Hoc, 2007  
BioMed Central Genetics, Ad Hoc, 2009  
Indoor Air, Ad Hoc, 2011  
Journal of Chinese Statistical Association, Ad Hoc, 2011  
American Journal of Epidemiology, Ad Hoc, 2012  
Indoor Air, Ad Hoc, 2012  
BioMed Central Medical Research Methodology, Ad Hoc, 2013  
BMC Women's Health, Ad hoc, 2014  
Plos One, Ad Hoc, 2014  
Plos Computational Biology, Ad Hoc, 2014  
International Journal of Cancer and Clinical Research, Ad Hoc, 2015  
BMC Cancer, Ad Hoc, 2015  
Journal Community Medicine & Public Health Care, Ad Hoc, 2015  
The Chinese Journal of Physiology, Ad Hoc, 2016  
BMC Cardiovascular Disorders, Ad Hoc, 2016  
PLOS ONE, Ad Hoc, 2016  
American Journal of Epidemiology, Ad Hoc, 2016  
PLOS Computational Biology, 2016  
BMC Cardiovascular Disorders, 2017  
International Journal of Gerontology, 2018  
Journal of Cardiovascular Development and Disease, 2018  
BMC Cardiovascular Disorders, 2018  
Children, 2019  
International Journal of Cardiology, 2019  
BMC Cardiovascular Disorders, 2019  
International Journal of Environmental Research and Public Health, 2019  
Scientific Reports, 2020  
BMC Cardiovascular Disorders, 2020  
Archives of Gerontology and Geriatrics, 2020  
Scientific Reports, 2021

International Journal of Environmental Research and Public Health, 2021  
Frontiers in Public Health 2022  
Diagnostics 2022  
Symmetry 2022  
International Journal of Environmental Research and Public Health, 2022  
Blood Pressure Monitoring 2022  
Frontiers in Medicine 2022  
Reliability Engineering & System Safety 2022  
PLOS Digital Health 2022  
Frontiers in Nutrition 2022  
American Journal of Epidemiology 2022  
International Journal of Cardiology 2022  
Journal of the Chinese Medical Association 2022

### **Awards and Honors:**

09/98-07/00 Teaching Assistant Scholarship, School of Public Health, National Taiwan University  
09/00-09/02 Research Assistant Scholarship, Department of Biostatistics, Boston University  
2003 Student Paper Competition Award, Department of Biostatistics, Boston University  
09/02-05/04 G.R.A.S.P. Fellowship, Department of Biostatistics, Boston University

### **RESEARCH, TEACHING, OR CLINICAL CONTRIBUTIONS:**

#### ***Current Research Support:***

2021-2023 陽明大學產學合作: 銳視二夜戴型角膜塑型隱形眼鏡之臨床試驗研究  
2022-2023 陽明大學產學合作: Tofacitinib 捷抑炎藥與心血管疾病與惡性腫瘤相關性  
2022-2023 科技部計:自然司統計學門 - 研發一個新的廣義估計式提升機器

#### ***Past Research Support (Within 5 years):***

2018-2021 陽明大學產學合作: 眼科的照護及臨床效益回溯性研究 2012-2016

### **Thesis**

1. **Chao-Yu Guo.** A Gene Counting-Based Haplotype Relative Risk Method for Case-Parents Trios Data (Master thesis). Taipei, Taiwan: National Taiwan University; 2000. Advisor: Professor John Jen Tai
2. **Chao-Yu Guo.** Extensions of Family-Based Genetic Tests of Linkage and/or Association for A Dichotomous Trait (Ph. D. thesis). Boston, MA: Boston University; 2004. Advisor: Professor L. Adrienne Cupples

## BIBLIOGRAPHY -

1. Huang WM, Chang HC, Lee CW, Huang CJ, Yu WC, Cheng HM, Guo CY, Chiang CE, Chen CH, Sung SH. Impaired renal function and mortalities in acute heart failure with different phenotypes. *ESC Heart Fail.* 2022 Jun 17. doi: 10.1002/ehf2.14002. Online ahead of print.PMID: 35712992
2. Chang HC, Huang WM, Yu WC, Cheng HM, Guo CY, Chiang CE, Chen CH, Sung SH. Prognostic Role of Pulmonary Function in Patients With Heart Failure With Reduced Ejection Fractio. *J Am Heart Assoc.* 2022 Apr 5;11(7):e023422. doi: 10.1161/JAHA.121.023422. Epub 2022 Mar 15.PMID: 35289186
3. Yang SM, Huang CJ, Chen CH, Yu WC, Sung SH, Guo CY, Chuang SY, Cheng HM, Chiang CE. Network meta-analysis and trial sequential analysis for atrial fibrillation patients receiving PCI or with ACS. *J Chin Med Assoc.* 2022 Jan 1;85(1):59-66. doi: 10.1097/JCMA.0000000000000651.PMID: 34759208
4. Waits A, Guo CY, Chien LY. Comparison between American Institute of Medicine Guidelines and Local Recommendation for Gestational Weight Gain in Taiwanese Primiparous Women. *Matern Child Health J.* 2021 Dec;25(12):1981-1991. doi: 10.1007/s10995-021-03231-2. Epub 2021 Oct 6.PMID: 34611784
5. Chang HC, Wu CL, Lee YH, Gu YH, Chen YT, Tsai YW, Chuang SY, **Guo CY**, Chen CH, Cheng HM. Impact of dietary intake of sodium and potassium on short-term blood pressure variability. *J Hypertens.* 2021 Sep 1;39(9):1835-1843. doi: 10.1097/HJH.0000000000002856.PMID: 340540
6. Guo CY\*, Chang KH. A Novel Algorithm to Estimate the Significance Level of A Feature Interaction Using the Extreme Gradient Boosting Machine. *Int J Environ Res Public Health.* 2022 Feb 18;19(4):2338. doi: 10.3390/ijerph19042338.PMID: 35206527 (SCI). (Impact factor: 3.39;Rank: 56.93%)第一作者/通訊作者(通訊)作者
7. Guo CY\*, Liu TW, Chen YH. A Novel Cross-Validation Strategy for Artificial Neural Networks Using Distributed-Lag Environmental Factors. *PLoS One* 2021; 16(1):e0244094 (SCI). (Impact factor: 3.24;Rank: 64.38%)第一作者/通訊作者(通訊)作者
8. Guo CY\*,Huang HY, Kuo PC, Chen YH. Extensions of the Distributed Lag Non-Linear Model (DLNM) to Account for Cumulative Mortality. *ENVIRONMENTAL SCIENCE AND POLLUTION RESEARCH* 2021; :doi: 10.1007/s11356-021-13124-0. Online ahead of print. PMID: 33735414 (SCI). (Impact factor: 4.223;Rank: 66.79%)第一作者/通訊作者(通訊)作者
9. Guo CY\*, Wang RH, Yang HC. Family-Based Gene-Environment Interaction Using Sequence Kernel Association Test (FGE-SKAT) For Complex Quantitative Traits. *Scientific Reports* 2021; 11(1):7431 (SCI). (Impact factor: 4.379;Rank: 76.71%)第一作者/通訊作者(通訊)作者
10. Waits A, Guo CY, Chien LY. Inadequate gestational weight gain contributes to increasing rates

- of low birth weight in Taiwan: 2011-2016 nationwide surveys. *Taiwan J Obstet Gynecol.* 2021 Sep;60(5):857-862. doi: 10.1016/j.tjog.2021.07.013.PMID: 34507661 (SCI). (Impact factor: 1.705;Rank: 13.25%)第二作者作者
11. Guo CY \*, Wu MY, Cheng HM\*. The Comprehensive Machine Learning Analytics for Heart Failure. *International Journal of Environmental Research and Public Health* 2021; 18(9):4943 (SCI). (Impact factor: 3.39;Rank: 56.93%)第一作者/通訊作者(通訊)作者
  12. Guo CY\*, Yang YC, Chen YH. The Optimal Machine Learning-Based Missing Data Imputation for the Cox Proportional Hazard Model. *Frontiers in Public Health* 2021; :In press, accepted on June 5 2021. (SCI). (Impact factor: 3.709;Rank: 69.46%)第一作者/通訊作者(通訊)作者
  13. Guo CY, Chan CH, Chou YC, Sung\* SH, Cheng HM\*. A Statistical Prediction Model for Acute Heart Failure Patients That is Consistent Within 5-year Follow-Ups. *Journal of the Chinese Medical Association: JCMA* 2020; 83(11):doi: 10.1097/JCMA.0000000000000403 (SCI). (Impact factor: 0.858;Rank: 70.37%)第一作者/通訊作者作者
  14. Huang WM, Cheng HM, Yu WC, Guo CY, Chiang CE, Chen CH, Sung SH.. The ventilatory abnormalities and prognostic values of H2 FPEF score in dyspnoeic patients with preserved left ventricle systolic function . *ESC Heart Failure* 2020; :10.1002/ehf2.12754 (SCI). (Impact factor: 4.411;Rank: 65.25%)第四作者以後作者
  15. Waits A, Guo CY, Chang YS, Chien LY.. Dose-Response Relationships between Breastfeeding and Postpartum Weight Retention Differ by Pre-Pregnancy Body-Mass Index in Taiwanese Women . *Nutrients* 2020; 12(4):1065: (SCI). (Impact factor: 5.717;Rank: 80.68%)第二作者作者
  16. Kuan YT, Wang TF, Guo CY, Tang FI, Hou IC.. Wound Care Knowledge, Attitudes, and Practices and Mobile Health Technology Use in the Home Environment: Cross-Sectional Survey of Social Network Users . *JMIR mHealth and uHealth* 2020; :26;8(3):e15678 (SCI). (Impact factor: 4.773;Rank: 73.33%)第三作者作者
  17. Guo CY\*, Chou YC. A Novel Machine Learning Strategy for Model Selections - Stepwise Support Vector Machine (StepSVM). *Plos One* 2020; 15(8):e0238384 (SCI). (Impact factor: 3.24;Rank: 64.38%)第一作者/通訊作者(通訊)作者
  18. Huang WM, Feng JY, Cheng HM, Chen SZ, Huang CJ, Guo CY, Yu WC, Chen CH, Sung SH.. The role of pulmonary function in patients with heart failure and preserved ejection fraction: Looking beyond chronic obstructive pulmonary disease. *PLoS One* 2020; 15(7):e0235152 (SCI). (Impact factor: 3.24;Rank: 64.38%)第六作者作者
  19. Lee CW, Huang WM, Tsai YL, Lu DY, Sung SH, Yu WC, Guo CY, Chen CH. Feasibility of

- the transcatheter mitral valve repair for patients with severe mitral regurgitation and endangered heart failure. JOURNAL OF THE FORMOSAN MEDICAL ASSOCIATION 2020; :S0929-6646(20)30173-X (SCI). (Impact factor: 3.282;Rank: 68.64%)第七作者作者
20. Huang CY, Chang WH, Huang HY, Guo CY, Chou YJ, Huang N, Lee WL, Wang PH.. Subsequent Development of Epithelial Ovarian Cancer After Ovarian Surgery for Benign Ovarian Tumor: A Population-Based Cohort Study. Clin Epidemiol 2020; 12:637-649 (SCI). 第四作者以後作者
  21. Chang HC, Cheng HM, Huang WM, Lee CW, Guo CY, Yu WC, Chen CH, Sung SH.. Risk stratification in patients hospitalized for acute heart failure in Asian population. Journal of the Chinese Medical Association: JCMA 2020; 83(6):544-550 (SCI). (Impact factor: 0.858;Rank: 70.37%)第五作者作者
  22. Chen CK, Chou HP, Chang YY, Guo CY, Chen CS, Shih CC. Association Between Targeted Aortic Segment Tortuosity and Stent-Graft-Induced New Entry After Thoracic Endovascular Aortic Repair for Aortic Dissection or Intramural Hematoma. AMERICAN JOURNAL OF ROENTGENOLOGY 2020; 214(3):679-686 (SCI). (Impact factor: 3.959;Rank: 73.13%)第四作者以後作者
  23. Cheng YL, Sung SH, Cheng HM, Huang JT, Guo CY, Hsu PF, Yu WC, Chen CH.. Prognostic Comparison of the Estimations of Renal Function in Patients With Acute Heart Failure. CIRCULATION JOURNAL 2019; 83(4):767-774 (SCI). (Impact factor: 2.993;Rank: 47.52%)第五作者作者
  24. Cheng HM, Sung SH, Chen CH, Yu WC, Yang SM, Guo CY, Chuang SY, Chiang CE.. Guiding Hypertension Management Using Different Blood Pressure Monitoring Strategies (GYMNs study): comparison of three different blood pressure measurement methods: study protocol for a randomized controlled trial. Trials 2019; 20(1):265 (SCI). (Impact factor: 2.279;Rank: 22.86%)第六作者作者
  25. Huang WM, Sung SH, Yu WC, Cheng HM, Huang CJ, Guo CY, Lu DY, Lee CW, Chen CH. Perturbations of pulsatile hemodynamics and clinical outcomes in patients with acute heart failure and reduced, mid-range or preserved ejection fraction. PLoS One 2019; 14(8):e0220183 (SCI). (Impact factor: 3.24;Rank: 64.38%)第六作者作者
  26. Waits A, Guo CY, Chien LY.. Evaluation of factors contributing to the decline in exclusive breastfeeding at 6 months postpartum: The 2011-2016 National Surveys in Taiwan. BIRTH-ISSUES IN PERINATAL CARE 2018; 45(2):184-192 (SCI). (Impact factor: 3.689;Rank: 78.31%)第二作者作者
  27. Chang WH, Horng HC, Yeh CC, Guo CY, Chou YJ, Huang N, Huang HY, Chen YJ, Lee WL,

- Wang PH. Risks of female genital tract related cancers (gynecological cancers) or breast cancer in women with and without chronic kidney disease: A population-based cohort study in Taiwan. *MEDICINE* 2018; 97(12):e0157 (SCI). (Impact factor: 1.889;Rank: 41.42%)第四作者以後作者
28. Chen CK, Chou HP, Guo CY, Chang HT, Chang YY, Chen IM, Wu MH, Shih CC.. Interobserver and intraobserver variability in measuring the tortuosity of the thoracic aorta on computed tomography. *JOURNAL OF VASCULAR SURGERY* 2018; 68(4):1183-1192 (SCI). (Impact factor: 4.268;Rank: 69.23%)第三作者作者
29. Sung SH, Wang TJ, Cheng HM, Yu WC, Guo CY, Chiang CE, Chen CH.. Clinical Characteristics and Outcomes in the Very Elderly Patients Hospitalized for Acute Heart Failure: Importance of Pharmacologic Guideline Adherence. *Scientific Reports* 2018; 24(8(1)):14270 (SCI). (Impact factor: 4.379;Rank: 76.71%)第四作者以後作者
30. Liu LK, Guo CY, Lee WJ, Chen LY, Hwang AC, Lin MH, Peng LN, Chen LK, Liang KY.. Subtypes of physical frailty: Latent class analysis and associations with clinical characteristics and outcomes. *Scientific Reports* 2017; 7:46417: (SCI). (Impact factor: 4.379;Rank: 76.71%)第二作者作者
31. . Chen YJ, Sung SH, Cheng HM, Huang WM, Wu CL, Huang CJ, Hsu PF, Yeh JS, Guo CY, Yu WC, Chen CH.. Performance of AHEAD Score in an Asian Cohort of Acute Heart Failure With Either Preserved or Reduced Left Ventricular Systolic Function. **Journal of the American Heart Association** 2017; 4(6(5)): (SCI). (Impact factor: 4.605;Rank: 22.10%)第四作者以後作者
32. . Cheng YL, Sung SH, Cheng HM, Hsu PF, Guo CY, Yu WC, Chen CH.. Prognostic Nutritional Index and the Risk of Mortality in Patients With Acute Heart Failure. **Journal of the American Heart Association** 2017; 25(6(6)): (SCI). (Impact factor: 4.605;Rank: 22.10%)第四作者以後作者
33. Malikova MA, Tkacz JN, Slanetz PJ, Guo CY, Aakil A, Jara H.. Evaluation of T1/T2 ratios in a pilot study as a potential biomarker of biopsy: proven benign and malignant breast lesions in correlation with histopathological disease stage. **Future Science OA** 2017; 2(3(3)): (OI). 第四作者以後作者
34. Huang WM, Cheng HM, Huang CJ, Guo CY, Lu DY, Lee CW, Hsu PF, Yu WC, Chen CH, Sung SH.. Hemographic indices are associated with mortality in acute heart failure. **Scientific Reports** 2017; 19(7(1)): (SCI). (Impact factor: 3.998;Rank: 23.24%)第四作者以後作者
35. Cheng HC, Guo CY, Chen YJ, Chen MJ, Ko YC, Huang N, Liu CJ.. Patient-Reported Vision-Related Quality-of-Life Differences between Primary Angle-Closure Glaucoma and Primary

- Open-Angle Glaucoma. **PLoS One** 2016; : (SCI). (Impact factor: 2.74;Rank: 37.32%)第二作者  
作者
36. Huang BS, Chang WH, Wang KC, Huang N, Guo CY, Chou YJ, Huang HY, Chen TJ, Lee WL, Wang PH.. Endometriosis Might Be Inversely Associated with Developing Chronic Kidney Disease: A Population-Based Cohort Study in Taiwan. **INTERNATIONAL JOURNAL OF MOLECULAR SCIENCES** 2016; : (SCI). (Impact factor: 4.556;Rank: 24.75%)第四作者以後作者
37. Lu DY, Cheng HM, Cheng YL, Hsu PF, Huang WM, Guo CY, Yu WC, Chen CH, Sung SH.. Hyponatremia and Worsening Sodium Levels Are Associated With Long-Term Outcome in Patients Hospitalized for Acute Heart Failure. **Journal of the American Heart Association** 2016; : (SCI). (Impact factor: 4.605;Rank: 22.10%)第四作者以後作者
38. Cheng YL, Cheng HM, Huang WM, Lu DY, Hsu PF, Guo CY, Yu WC, Chen CH, Sung SH.. Red Cell Distribution Width and the Risk of Mortality in Patients With Acute Heart Failure With or Without Cardiorenal Anemia Syndrome. **AMERICAN JOURNAL OF CARDIOLOGY** 2016; : (SCI). (Impact factor: 2.57;Rank: 45.29%)第四作者以後作者
39. Huang WM, Hsu PF, Cheng HM, Lu DY, Cheng YL, Guo CY, Sung SH, Yu WC, Chen CH.. Determinants and Prognostic Impact of Hyperuricemia in Hospitalization for Acute Heart Failure. **CIRCULATION JOURNAL** 2016; : (SCI). (Impact factor: 2.54;Rank: 46.01%)第四作者以後作者
40. Cheng HC, Guo CY, Chen MJ, Ko YC, Huang N, Liu CJ.. Patient-reported vision-related quality of life differences between superior and inferior hemifield visual field defects in primary open-angle glaucoma. **JAMA Ophthalmology** 2015; 133(3):269-75 (SCI). (Impact factor: 6.198;Rank: 5.83%)第二作者作者
- Lee WL, Chang WH, Wang KC, Guo CY, Chou YJ, Huang N, Huang HY, Yen MS, Wang PH.. The Risk of Epithelial Ovarian Cancer of Women With Endometriosis May be Varied Greatly if Diagnostic Criteria Are Different. **MEDICINE** 2015; : (SCI). (Impact factor: 1.552;Rank: 53.64%)第四作者以後作者
41. Guo CY, Chen YJ, Chen YH. The Logistic Regression Model for Gene-Environment Interactions Using Both Case-Parent Trios and Unrelated Case-Controls. **ANNALS OF HUMAN GENETICS** 2014; 78(4):299-305 (SCI). (Impact factor: 1.368;Rank: 81.18%)第一作者/通訊作者作者
42. Chang WH, Wang KC, Lee WL, Huang N, Chou YJ, Feng RC, Yen MS, Huang BS, Guo CY, Wang PH. Endometriosis and the subsequent risk of epithelial ovarian cancer. **Taiwanese Journal of Obstetrics and Gynecology** 2014; 53(4):530-535 (SCI). (Impact factor:



1.513;Rank: 76.22%)第一作者/通訊作者作者

43. Wang KC, Chang WH, Lee WL, Huang N, Huang HY, Chou YJ, Yen MS, Guo CY\* (co-corresponding author), Wang PH\*. An increased risk of epithelial ovarian cancer in Taiwanese women with a new surgico-pathological diagnosis of endometriosis. **BMC Cancer** 2014; 18(14):831 (SCI). (Impact factor: 3.15;Rank: 52.66%)第一作者/通訊作者作者
44. Guo CY, Pan WC, Chen MJ, Tsai CW, Chen NT, Su HJ.. When are We Most Vulnerable to Temperature Variations in a Day?. **PLoS One** 2014; 9(12): (SCI). (Impact factor: 2.74;Rank: 37.32%)第一作者/通訊作者作者
45. Chen NT, Chen MJ, Guo CY, Chen KT, Su HJ.. Precipitation increases the occurrence of sporadic Legionnaires' disease in Taiwan. **PLoS One** 2014; 9(12): (SCI). (Impact factor: 2.74;Rank: 37.32%)第三作者作者
46. Batey LA, Welt CK, Rohr F, Wessel A, Anastasoie V, Feldman HA, Guo CY, Rubio-Gozalbo E, Berry G, Gordon CM. Skeletal health in adult patients with classic galactosemia. **Osteoporos Int** 2013; 24(2):501-509 (SCI). 第四作者以後作者
47. Hall MW, Geyer SM, Guo CY, Panoskaltis-Mortari A, Jouvet P, Ferdinands J, Shay DK, Nateri J, Greathouse K, Sullivan R, Tran T, Keisling S, Randolph AG;for the Pediatric Acute Lung Injury and Sepsis Investigators (PALISI) Network PICFlu Study Investigators. Innate Immune Function and Mortality in Critically Ill Children With Influenza: A Multicenter Study. **Crit Care Med** 2013; 41(1):224-236 (SCI). 第三作者作者
48. Dies KA, Bodell A, Hisama F.M., Guo CY, Barry B, Chang BS, Barkovich AJ, Walsh CA. Schizencephaly: Association with Young Maternal Age, Alcohol Use and Lack of Prenatal Care. **J Child Neurol** 2013; 28(2):198-203 (SCI). 第四作者以後作者
49. Lin WH, Guo CY(co-first author), Wang WM, Yang DC, Kuo TH, Liu MF,Wang MC. Incidence of progression from newly diagnosed systemic lupus erythematosus to end stage renal disease and all-cause mortality: a nationwide cohort study in Taiwan. **Int J Rheum Dis** 2013; 16(6):747-53 (SCI). (Impact factor: 1.98;Rank: 76.56%)第一作者/通訊作者作者
50. Wu CH, Guo CY, Yang JG, Tsai HD, Chang YJ, Tsai PC, Hsu CC, Kuo PL.. Polymorphisms of Dioxin Receptor Complex Components and Detoxification-Related Genes Jointly Confer Susceptibility to Advanced-Stage Endometriosis in the Taiwanese Han Population. **AMERICAN JOURNAL OF REPRODUCTIVE IMMUNOLOGY** 2012; 67(2):160-168 (SCI). (Impact factor: 2.739;Rank: 53.45%)第二作者作者
51. Marchini GS, Onal B, Guo CY, Rowe CK, Kunkel L, Bauer SB, Retik AB, Nguyen HT.. Genome gender diversity in affected sib-pairs with familial vesico-ureteric reflux identified by single nucleotide polymorphism linkage analysis. **BJU INTERNATIONAL** 2012;

- 109(11):1709-1714 (SCI). (Impact factor: 4.806;Rank: 12.35%)第三作者作者
52. Waisbren SE, Potter NL, Gordon CM, Green RC, Greenstein P, Gubbels CS, Rubio-Gozalbo E, Schomer D, Welt C, Anastasoie V, D'Anna K, Gentile J, Guo CY, Hecht L, Jackson R, Jansma BM, Li Y, Lip V, Miller DT, Murray M, Power L, Quinn N, Rohr F, Shen Y, Skinder-Meredith A, Timmers I, Tunick R, Wessel A, Wu BL, Levy H, Elsas L, Berry GT.. The adult galactosemic phenotype. **JOURNAL OF INHERITED METABOLIC DISEASE** 2012; 35(2):279-286 (SCI). (Impact factor: 4.036;Rank: 26.22%)第四作者以後作者
  53. Guo CY. A novel test of informative missingness using inconsistent linkage disequilibrium signals between case-parent triads and incomplete data. **J Hum Genet** 2012; 57(9):601-609 (SCI). (Impact factor: 2.831;Rank: 49.72%)單一作者作者
  54. Chang YT, Guo CY, Tsai MS, Cheng YY, Lin MT, Chen CH, Shen D, Wang JR, Sung JM. Poor immune response to a standard single dose non-adjuvanted vaccination against 2009 pandemic H1N1 influenza virus A in the adult and elder hemodialysis patients. **VACCINE** 2012; 30(33):5009-18 (SCI). (Impact factor: 3.143;Rank: 49.28%)第二作者作者
  55. Porter SC, Guo CY, Molino J, Toomey SL, Chan E. The influence of task environment and health literacy on the quality of parent-reported ADHD data. **Applied Clinical Informatics** 2012; 3:24-27 (OI). (Impact factor: 2.147;Rank: 61.11%)第二作者作者
  56. Porter SC, Guo CY, Bacic J, Chan E.. Health literacy and task environment influence parents' burden for data entry on child-specific health information: randomized controlled trial. **JOURNAL OF MEDICAL INTERNET RESEARCH** 2011; 13(1):e13 (SCI). (Impact factor: 5.034;Rank: 4.41%)第二作者作者
  57. Upadhyay A, Larson MG, Guo CY, Vasan RS, Lipinska I, O'Donnell CJ, Kathiresan S, Meigs JB, Keaney JF Jr, Rong J, Benjamin EJ, Fox CS.. Inflammation, kidney function and albuminuria in the Framingham Offspring cohort. **NEPHROLOGY DIALYSIS TRANSPLANTATION** 2011; 26(3):920-926 (SCI). (Impact factor: 4.531;Rank: 13.53%)第三作者作者
  58. Degrazia M, Guo CY, Wilkinson AA, Rhein L.. Weight and age as predictors for passing the infant car seat challenge. **PEDIATRICS** 2010; 125(3):526-531 (SCI). (Impact factor: 5.359;Rank: 3.52%)第二作者作者
  59. Briggs CE, Guo CY (co-first author), Schoettler C, Rosoklija I, Silva A, Bauer SB, Retik AB, Kunkel L, Nguyen HT. A genome scan in affected sib-pairs with familial vesicoureteral reflux identifies a locus on chromosome 5. **EUROPEAN JOURNAL OF HUMAN GENETICS** 2010; 18(2):245-250 (SCI). (Impact factor: 3.657;Rank: 31.18%)第一作者/通訊作者作者
  60. Clune JE, Greene AK, Guo CY, Gao LL, Kim S, Meara JG, Proctor MR, Mulliken JB, Rogers

- GF.. Perioperative Corticosteroid Reduces Hospital Stay After Fronto-Orbital Advancement. **JOURNAL OF CRANIOFACIAL SURGERY** 2010; 21(2):344-348 (SCI). (Impact factor: 0.953;Rank: 86.91%)第三作者作者
61. Yang Q, Wu H, Guo CY, Fox CS.. Analyze multivariate phenotypes in genetic association studies by combining univariate association tests. **GENETIC EPIDEMIOLOGY** 2010; 34(5):444-454 (SCI). (Impact factor: 1.954;Rank: 41.53%)第三作者作者
62. Chen MH, Larson MG, Hsu YH, Peloso GM, Guo CY, Fox CS, Atwood LD, Yang Q.. A three-stage approach for genome-wide association studies with family data for quantitative traits. **BMC GENETICS** 2010; 11:40 (SCI). (Impact factor: 2.567;Rank: 57.02%)第四作者以後作者
63. Fujii AM, Patel SM, Allen R, Doros G, Guo CY and Testa S. Poractant alfa and beractant treatment of very premature infants with respiratory distress syndrome. **Journal of Perinatology** 2010; 30:665-670 (SCI). (Impact factor: 1.967;Rank: 44.14%)第四作者以後作者
64. Guo CY, Lunetta KL, DeStefano AL, Cupples LA.. Combined haplotype relative risk (CHRR): a general and simple genetic association test that combines trios and unrelated case-controls. **GENETIC EPIDEMIOLOGY** 2009; 33(1):54-62 (SCI). (Impact factor: 1.954;Rank: 41.53%)第一作者/通訊作者作者
65. Murabito JM, Keyes MJ, Guo CY, Keaney JF Jr, Vasani RS, D'Agostino RB Sr, Benjamin EJ.. Cross-sectional relations of multiple inflammatory biomarkers to peripheral arterial disease: The Framingham Offspring Study. **ATHEROSCLEROSIS** 2009; 203(2):509-514 (SCI). (Impact factor: 3.919;Rank: 23.85%)第三作者作者
66. Parikh NI, Hwang SJ, Yang Q, Larson MG, Guo CY, Robins SJ, Sutherland P, Benjamin EJ, Levy D, Fox CS.. Clinical correlates and heritability of cystatin C (from the Framingham Offspring Study). **AMERICAN JOURNAL OF CARDIOLOGY** 2008; 102(9):1194-1198 (SCI). (Impact factor: 2.57;Rank: 45.29%)第四作者以後作者
67. Guo CY, Cupples LA, Yang Q.. Testing informative missingness in genetic studies using case-parent triads. **EUROPEAN JOURNAL OF HUMAN GENETICS** 2008; 16(8):992-1001 (SCI). (Impact factor: 3.657;Rank: 31.18%)第一作者/通訊作者作者
68. Levitzky YS, Guo CY, Rong J, Larson MG, Walter RE, Keaney JF Jr, Sutherland PA, Vasani A, Lipinska I, Evans JC, Benjamin EJ.. Relation of smoking status to a panel of inflammatory markers: the framingham offspring. **ATHEROSCLEROSIS** 2008; 201(1):217-224 (SCI). (Impact factor: 3.919;Rank: 23.85%)第二作者作者
69. Newton-Cheh C, Guo CY, Larson MG, Musone SL, Surti A, Camargo AL, Drake JA,

- Benjamin EJ, Levy D, D'Agostino RB Sr, Hirschhorn JN, O'donnell CJ.. Common genetic variation in KCNH2 is associated with QT interval duration: the Framingham Heart Study. **CIRCULATION** 2007; 116(10):1128-1136 (SCI). (Impact factor: 23.603;Rank: 0.36%)第二作者作者
70. Wang TJ, Larson MG, Benjamin EJ, Siwik DA, Safa R, Guo CY, Corey D, Sundstrom J, Sawyer DB, Colucci WS, Vasani RS.. Clinical and echocardiographic correlates of plasma procollagen type III amino-terminal peptide levels in the community. **AMERICAN HEART JOURNAL** 2007; 154(2):291-297 (SCI). (Impact factor: 4.153;Rank: 25.00%)第四作者以後作者
71. Thakore AH, Guo CY, Larson MG, Corey D, Wang TJ, Vasani RS, D'Agostino RB Sr, Lipinska I, Keaney JF Jr, Benjamin EJ, O'Donnell CJ.. Association of multiple inflammatory markers with carotid intimal medial thickness and stenosis (from the Framingham Heart Study). **AMERICAN JOURNAL OF CARDIOLOGY** 2007; 99(11):1598-1602 (SCI). (Impact factor: 2.57;Rank: 45.29%)第二作者作者
72. Newton-Cheh C, Guo CY, Gona P, Larson MG, Benjamin EJ, Wang TJ, Kathiresan S, O'Donnell CJ, Musone SL, Camargo AL, Drake JA, Levy D, Hirschhorn JN, Vasani RS.. Clinical and genetic correlates of aldosterone-to-renin ratio and relations to blood pressure in a community sample. **HYPERTENSION** 2007; 49(4):846-856 (SCI). (Impact factor: 7.713;Rank: 5.39%)第二作者作者
73. Larson MG, Atwood LD, Benjamin EJ, Cupples LA, D'Agostino RB Sr, Fox CS, Govindaraju DR, Guo CY, Heard-Costa NL, Hwang SJ, Murabito JM, Newton-Cheh C, O'Donnell CJ, Seshadri S, Vasani RS, Wang TJ, Wolf PA, Levy D.. Framingham Heart Study 100K project: genome-wide associations for cardiovascular disease outcomes. **BMC Medical Genetics** 2007; 8:Suppl 1:S5. (SCI). (Impact factor: 1.585;Rank: 77.81%)第四作者以後作者
74. Lunetta KL, D'Agostino RB Sr, Karasik D, Benjamin EJ, Guo CY, Govindaraju R, Kiel DP, Kelly-Hayes M, Massaro JM, Pencina MJ, Seshadri S, Murabito JM.. Genetic correlates of longevity and selected age-related phenotypes: a genome-wide association study in the Framingham Study. **BMC Medical Genetics** 2007; 8:Suppl 1:S13 (SCI). (Impact factor: 1.585;Rank: 77.81%)第四作者以後作者
75. Mitchell GF, Guo CY, Kathiresan S, Vasani RS, Larson MG, Vita JA, Keyes MJ, Vyas M, Newton-Cheh C, Musone SL, Camargo AL, Drake JA, Levy D, O'Donnell CJ, Hirschhorn JN, Benjamin EJ. Vascular stiffness and genetic variation at the endothelial nitric oxide synthase locus: the Framingham Heart study. **HYPERTENSION** 2007; 49(6):1285-1290 (SCI). (Impact factor: 7.713;Rank: 5.39%)第二作者作者

76. Guo CY, Lunetta KL, DeStefano AL, Ordovas JM, Cupples LA.. Informative-transmission disequilibrium test (i-TDT): combined linkage and association mapping that includes unaffected offspring as well as affected offspring. **GENETIC EPIDEMIOLOGY** 2007; 31(2):115-133 (SCI). (Impact factor: 1.954;Rank: 41.53%)第一作者/通訊作者作者
77. Guo CY. The impact of complex informative missingness on the validity of the transmission/disequilibrium test (TDT). **BMC GENETICS** 2007; 1:Suppl 1:S26 (SCI). (Impact factor: 2.567;Rank: 57.02%)單一作者作者
78. Chen MH, Cui J, Guo CY, Cupples LA, Van Eerdewegh P, Dupuis J, Yang Q.. Joint modeling of linkage and association using affected sib-pair data. **BMC GENETICS** 2007; 1:Suppl 1:S38 (SCI). (Impact factor: 2.567;Rank: 57.02%)第三作者作者
79. Newton-Cheh C, Guo CY, Wang TJ, O'donnell CJ, Levy D, Larson MG. Genome-wide association study of electrocardiographic and heart rate variability traits: the Framingham Heart Study. **BMC Medical Genetics** 2007; 8:Suppl 1:S7. (SCI). (Impact factor: 1.585;Rank: 77.81%)第二作者作者
80. Cupples LA, Arruda HT, Benjamin EJ, D'Agostino RB Sr, Demissie S, DeStefano AL, Dupuis J, Falls KM, Fox CS, Gottlieb DJ, Govindaraju DR, Guo CY, Heard-Costa NL, Hwang SJ, Kathiresan S, Kiel DP, Laramie JM, Larson MG, Levy D, Liu CY, Lunetta KL, Mailman MD, Manning AK, Meigs JB, Murabito JM, Newton-Cheh C, O'Connor GT, O'Donnell CJ, Pandey M, Seshadri S, Vasani RS, Wang ZY, Wilk JB, Wolf PA, Yang Q, Atwood LD.. The Framingham Heart Study 100K SNP genome-wide association study resource: overview of 17 phenotype working group reports. **BMC Medical Genetics** 2007; 8:Suppl 1:S1. (SCI). (Impact factor: 1.585;Rank: 77.81%)第四作者以後作者
81. Mitchell GF, Guo CY, Benjamin EJ, Larson MG, Keyes MJ, Vita JA, Vasani RS, Levy D.. Cross-sectional correlates of increased aortic stiffness in the community: the Framingham Heart Study. **CIRCULATION** 2007; 115(20):2628-2636 (SCI). (Impact factor: 23.603;Rank: 0.36%)第二作者作者
82. Fox CS, Guo CY, Larson MG, Vasani RS, Parise H, O'Donnell CJ, D'Agostino RB Sr, Keaney JF Jr, Benjamin EJ.. Relations of inflammation and novel risk factors to valvular calcification. **AMERICAN JOURNAL OF CARDIOLOGY** 2006; 97(10):1502-1505 (SCI). (Impact factor: 2.57;Rank: 45.29%)第二作者作者
83. Fox CS, Larson MG, Vasani RS, Guo CY, Parise H, Levy D, Leip EP, O'donnell CJ, D'Agostino RB Sr, Benjamin EJ.. Cross-sectional association of kidney function with valvular and annular calcification: the Framingham heart study. **JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY** 2006; 17(2):521-527 (SCI). (Impact factor: 9.274;Rank: 5.29%)第四作者以

後作者

84. Murabito JM, Guo CY, Fox CS, D'Agostino RB. Heritability of the ankle-brachial index: the Framingham Offspring study. **AMERICAN JOURNAL OF EPIDEMIOLOGY** 2006; 164(10):963-968 (SCI). (Impact factor: 4.526;Rank: 11.66%)第二作者作者
85. Kathiresan S, Larson MG, Vasani RS, Guo CY, Gona P, Keaney JF Jr, Wilson PW, Newton-Cheh C, Musone SL, Camargo AL, Drake JA, Levy D, O'Donnell CJ, Hirschhorn JN, Benjamin EJ. Contribution of clinical correlates and 13 C-reactive protein gene polymorphisms to interindividual variability in serum C-reactive protein level. **CIRCULATION** 2006; 113(11):1415-1423 (SCI). (Impact factor: 23.603;Rank: 0.36%)第四作者以後作者
86. Arking DE, Pfeuffer A, Post W, Kao WH, Newton-Cheh C, Ikeda M, West K, Kashuk C, Akyol M, Perz S, Jalilzadeh S, Illig T, Gieger C, Guo CY, Larson MG, Wichmann HE, Marb 嫻 E, O'Donnell CJ, Hirschhorn JN, K 鳴 b S, Spooner PM, Meitinger T, Chakravarti A. A common genetic variant in the NOS1 regulator NOS1AP modulates cardiac repolarization. **NATURE GENETICS** 2006; 38(6):644-651 (SCI). (Impact factor: 27.605;Rank: 0.84%)第四作者以後作者
87. Yang Q, Guo CY, Cupples LA, Levy D, Wilson PW, Fox CS. Genome-wide search for genes affecting serum uric acid levels: the Framingham Heart Study. **METABOLISM-CLINICAL AND EXPERIMENTAL** 2005; 54(11):1435-1441 (SCI). (Impact factor: 6.159;Rank: 11.54%)第二作者作者
88. 80. Fox CS, Yang Q, Cupples LA, Guo CY, Atwood LD, Murabito JM, Levy D, Mendelsohn ME, Housman DE, Shearman AM. Sex-specific association between estrogen receptor-alpha gene variation and measures of adiposity: the Framingham Heart Study. **JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM** 2005; 90(11):6257-6262 (SCI). (Impact factor: 5.399;Rank: 14.34%)第四作者以後作者
89. Gainer JV, Bellamine A, Dawson EP, Womble KE, Grant SW, Wang Y, Cupples LA, Guo CY, Demissie S, O'Donnell CJ, Brown NJ, Waterman MR, Capdevila JH. Functional variant of CYP4A11 20-hydroxyeicosatetraenoic acid synthase is associated with essential hypertension. **CIRCULATION** 2005; 111(1):63-69 (SCI). (Impact factor: 23.603;Rank: 0.36%)第四作者以後作者
90. Kathiresan S, Larson MG, Vasani RS, Guo CY, Vita JA, Mitchell GF, Keyes MJ, Newton-Cheh C, Musone SL, Lochner AL, Drake JA, Levy D, O'Donnell CJ, Hirschhorn JN, Benjamin EJ. Common genetic variation at the endothelial nitric oxide synthase locus and relations to brachial artery vasodilator function in the community. **CIRCULATION** 2005; 112(10):1419-1427 (SCI). (Impact factor: 23.603;Rank: 0.36%)第四作者以後作者

91. Fox CS, Yang Q, Guo CY, Cupples LA, Wilson PW, Levy D, Meigs JB.. Genome-wide linkage analysis to urinary microalbuminuria in a community-based sample: the Framingham Heart Study. **KIDNEY INTERNATIONAL** 2005; 67(1):70-74 (SCI). (Impact factor: 8.945;Rank: 6.47%)第三作者作者
92. Guo CY, DeStefano AL, Lunetta KL, Dupuis J, Cupples LA.. Expectation maximization algorithm based haplotype relative risk (EM-HRR): test of linkage disequilibrium using incomplete case-parents trios. **HUMAN HEREDITY** 2005; 59(3):125-135 (SCI). (Impact factor: 0.444;Rank: 97.47%)第一作者/通訊作者(通訊)作者
93. Guo CY, Cui J, Cupples LA.. Impact of non-ignorable missingness on genetic tests of linkage and/or association using case-parent trios. **BMC GENETICS** 2005; 6:Suppl 1:S90. (SCI). (Impact factor: 2.567;Rank: 57.02%)第一作者/通訊作者(通訊)作者
94. Fox CS, Yang Q, Cupples LA, Guo CY, Larson MG, Leip EP, Wilson PW, Levy D.. Genomewide linkage analysis to serum creatinine, GFR, and creatinine clearance in a community-based population: the Framingham Heart Study. **JOURNAL OF THE AMERICAN SOCIETY OF NEPHROLOGY** 2004; 15(9):2457-2461 (SCI). (Impact factor: 9.274;Rank: 5.29%)第四作者以後作者
95. Yang Q, Chazaro I, Cui J, Guo CY, Demissie S, Larson M, Atwood LD, Cupples LA, DeStefano AL.. Genetic analyses of longitudinal phenotype data: a comparison of univariate methods and a multivariate approach. **BMC GENETICS** 2003; 4:Suppl 1:S29 (SCI). (Impact factor: 2.567;Rank: 57.02%)第四作者以後作者