

Xiuhua Ding, MD, PhD

Contact Information

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Research Interest

Alzheimer's disease, longitudinal data analysis, aging, cognitive decline and comorbidities

Education

PhD., Epidemiology and Biostatistics, 2016
University of Kentucky, Lexington, KY

M.S., Histology and Embryology, 2003
Medical College of Innermonglia, Hohhot, China

M.D., Doctor of Medicine, 2000
Medical College of Zhangjiakou, Zhangjiakou, China

Professional Experience

Assistant Professor, August, 2016 – Present
Western Kentucky University, Department of Public Health, Bowling Green, KY

Research Assistant, August, 2012 – August, 2016
University of Kentucky, Department of Biostatistics, Lexington, KY

Research Associate, June, 2007 - August, 2012
Augusta University, Georgia Prevention Institute, Augusta, GA

Award/Presentation

- Oral presentation in Society for Epidemiologic Research (SER) conference, Seattle, WA(2017)
- Invited talk, titled “Introduction of Medical Research ” for Western Kentucky University Heart & Lung Conference, Bowling Green, KY (2017)
- Poster Presentation on CPH research day at University of Kentucky (2016)
- Poster Presentation on Alzheimer's Disease Symposium at University of Kentucky (2015)
- Award of participation of NGS workshop at University of Kentucky supported by Kentucky Infrastructure in Ecological Genomic Project (2013)

- Oral and poster presentation on Genetic Analysis Workshop 18 (GAW18) , Stevenson, WA (2012)
- Poster presentation on CPH research day at University of Kentucky (2012)
- Travel Award for Genetic Analysis Workshop (GAW) 18 (2012)

Service/Society

- Member of American Statistics Association
- Member of Society for Epidemiologic Research
- Member of MPH admission committee, Department of Public Health
- Member of MPH curriculum committee, Department of Public Health
- Member of MPH/BSPH committee, Department of Public Health
- Member of diversity committee, Department of Public Health
- Served as a reviewer for PLoS One
- Served as a reviewer for Infection, Genetics and Evolution
- Served as a member on partnership with China in College Health and Human Services
- Served as a member on Epi/Bios certificate
- Served as judge for WKU student research conference
- Served as reviewer for Faculty-Undergraduate Student Engagement (FUSE)
- Thesis committee member for Yu-Hsuan Chen, MPH students (2017)
- Thesis committee member for Divya Gadde, MPH students
- Supervision of graduate assistant: Ponnala, Harshitha
- Supervision of graduate assistant: Yu-Hsuan, Chen

Professional development

- New courses development : face-to-face courses (PH384, PH 582, and PH630), online course(PH384, PH582)
- Certificate of online teaching: the essentials

Teaching experience

- PH384 - Introduction of Epidemiology (Undergraduate)
- PH 582- Epidemiology (Graduate)
- PH 630- Advanced Epidemiology (Graduate)
- PH580- Biostatistics I (graduate course as teaching assistant)

Publication

1. **Ding X**, Abner E, Schmitt F, Kryscio R. Quality of life scores are associated with incidence of cognitive impairments: Results from PREADViSE. (*In process*)
2. **Ding X**, Charnigo R, Schmitt F, Kryscio R, Abner E. Comparison of trajectories of episodic memory for over 10 years between baseline normal and MCI ADNI subjects. (*In process*)
3. **Ding X**, Charnigo R, Schmitt F, Kryscio R, Abner E. Comparison between neural network and logistic regression in PREADViSE trial. (*In process*)
4. Jiang Y, Lin MK, Jicha GA, **Ding X**, McIwrath SL, FARDO DW, Broster LS, Schmitt FA , Kryscio R, Lipsky RH. Functional. Functional human GRIN2B promoter

- polymorphism and variation of mental processing speed in older adults. *Aging* (Albany NY). 2017 Apr;9(4):1293-1306.
5. X. Zhang, F.A. Schmitt, A.M. Caban-Holt, **Ding X**, R.J. Kryscio, E. Abner. Diabetes mitigates the role of memory complaint in predicting dementia risk: Results from the Prevention of Alzheimer's Disease with Vitamin E and Selenium Study. *J Prev Alz Dis* 2017;4(3):143-148.
 6. **Ding X**, Kryscio RJ, Turner JK, Jicha GA, Cooper GE, Caban-Holt AM, Schmitt FA, Abner EL. Sleep apnea and dementia risk: Findings from the PREADViSE Alzheimer's disease prevention trial. *J Am Geriatr Soc.* 2016 ;64(12):2472-2478.
 7. **Ding X**, Su S, Nandakumar K, Wang X, Fardo D. A Two-Step Penalized Regression Method for Family-based Next Generation Sequencing Association (BMC Proceeding)
 8. Ray DS, Wiemann AH, Patel PB, **Ding X**, Kryscio RJ, Miller CS. Estimation of the rate of tooth wear in permanent incisors: a cross-sectional digital radiographic study. *J Oral Rehabil.* 2015 Mar 10.
 9. Miller CS, Foley JD 3rd, Floriano PN, Christodoulides N, Ebersole JL, Campbell CL, Bailey AL, Rose BG, Kinane DF, Novak MJ, McDevitt JT, **Ding X**, Kryscio RJ. Utility of Salivary Biomarkers for Demonstrating Acute Myocardial Infarction. *J Dent Res.* 2014 May 30; 93(7 suppl): 72S-79S.
 10. Syndergaard B, Al-Sabbagh M, Kryscio RJ, Xi J, **Ding X**, Ebersole JL, Miller CS. Salivary biomarkers associated with gingivitis and response to therapy. *J Periodontol.* 2014 Aug;85(8):e295-303.
 11. Bush ML, Osetinsky M, Shinn JB, Gal TJ, **Ding X**, Fardo DW, Schoenberg N. Assessment of Appalachian region pediatric hearing healthcare disparities and delays. *Laryngoscope.* 2014 Jul;124(7):1713-7.
 12. Roedig JJ, Phillips BA, Morford LA, Van Sickels JE, Falcao-Alencar G, Fardo DW, Hartsfield JK Jr, **Ding X**, Kluemper GT Comparison of BMI, AHI, and apolipoprotein E ε4 (APOE-ε4) alleles among sleep apnea patients with different skeletal classifications. *J Clin Sleep Med.* 2014 Apr 15;10(4):397-402.
 13. Yan W, Li N, Hu X, Huang Y, Zhang W, Wang Q, Wang F, Wang C, Zhai X, Xu R, Yan K, **Ding X**, Wang X. Reply to Manuscript IJC-D-12-04197 entitled "Does Alpha-lipoic Acid Treatment Play a Role on Oxidative Stress and Insulin Resistance in Overweight/Obese Patients?" by MD Turgay Ulas. *International Journal Cardiology* (2013).
 14. Xu X, **Ding X**, Zhang X, Su S, Treiber FA, Vlietinck R, Fagard R, Derom C, Gielen M, Loos RJ, Snieder H, Wang X. Genetic and Environmental Influences on Blood Pressure Variability: A Study in Twins. *J Hypertens.* 2013; 31(4):690-7.
 15. Yan W, Li N, Hu X, Huang Y, Zhang W, Wang Q, Wang F, Wang C, Zhai X, Xu R, Yan K, **Ding X**, Wang X. Effects of Oral ALA Supplementation on Oxidative Stress and Insulin Sensitivity among Overweight/Obese Adults: A Double-blinded, Randomized, Controlled, Cross-over Intervention Trial. *International Journal Cardiology* (2012).
 16. Wang X, **Ding X**, Su S, Harshfield G, Treiber F, Snieder H. Genetic influence on blood pressure measured in the office, under laboratory stress and during real life. *Hypertens Res.* 2011 Feb; 34(2):239-44.
 17. Wu T, Snieder H, Li L, Cao W, Zhan S, Lv J, Gao W, Wang X, **Ding X**, Hu Y. Genetic and environmental influences on blood pressure and body mass index in Han Chinese: a twin study. *Hypertens Res.* 2011 Feb;34(2):173-9.

18. Wang X, **Ding X**, Su S, Spector TD, Mangino M, Iliadou A, Snieder H. Heritability of insulin sensitivity and lipid profile depend on BMI: evidence for gene-obesity interaction. *Diabetologia*. 2009 Dec;52 (12):2578-84.
19. Wang X, **Ding X**, Su S, Yan W, Harshfield G, Treiber F, Snieder H. Genetic influences on daytime and night-time blood pressure: similarities and differences. *J Hypertens*. 2009 Dec; 27(12):2358-64.
20. Li Z, Snieder H, Su S, **Ding X**, Thayer JF, Treiber FA, Wang X. A longitudinal study in youth of heart rate variability at rest and in response to stress. *Int J Psychophysiol*. 2009 Sep;73(3):212-7.
21. Wang X, **Ding X**, Su S, Li Z, Riese H, Thayer JF, Treiber F, Snieder H. Genetic influences on heart rate variability at rest and during stress. *Psychophysiology*. 2009 May;46(3):458-65.