Jianqiao Wang

CONTACT INFORMATION
655 Huntington Avenue, HSPH 2-435
Boston MA, 02115
E-mail: j.wang@hsph.harvard.edu
www.jianqiao.me

EMPLOYMENT

Harvard University
Department of Biostatistics
Postdoctoral Research Fellow, 2022 - present
Advisor: Xihong Lin

EDUCATION

University of Pennsylvania
Ph.D., Biostatistics, 2017 - 2022
Advisor: Hongzhe Li

University of Pennsylvania
M.S., Biostatistics, 2017 - 2019

Renmin University of China
B.S., Statistics, 2013 - 2017

PUBLICATIONS

Wang, J., Li, S., and Li, H. (2023). A Regression-based Approach to Robust Estimation and Inference for Genetic Covariance, Journal of the American Statistical Association (Theory and Methods), Accepted

Wang, J., Wang, W. and Li, H. (2022). Sparse block signal detection and identification for shared cross-trait association analysis. The Annals of Applied Statistics, 16(2), 866-886.

Wang, J. and Li, H. (2022). Estimation of genetic correlation with summary association statistics. Biometrika, 109(2), 421-438.

Xu, K., **Wang, J.**, Pan, R. and Wang, H., 2019. Photographic diary: a new estimation approach to PM 2.5 monitoring. Statistics and Its Interface, 12(3), 387-395.

Chen, Y., **Wang, J.**, Chubak, J., and Hubbard, R. A. (2019). Inflation of type I error rates due to differential misclassification in EHR-derived outcomes: Empirical illustration using breast cancer recurrence. *Pharmacoepidemiology and drug safety*, 28(2), 264-268.

Deo, R., Dubin, R.F., Ren, Y., Murthy, A.C., **Wang, J.**, Zheng, H., Zheng, Z., Feldman, H., Shou, H., Coresh, J. and Grams, M. (2023). Proteomic cardiovascular risk assessment in chronic kidney disease. European Heart Journal, 44(23), 2095-2110.

Dubin, R., Deo, R., Ren, Y., **Wang, J.**, Zheng, Z., Shou, H., Go, A., Parsa, A., Lash, J., Rahman, M., Hsu, C., Weir, M., Chen, J., Anderson, A., Grams, M., Surapaneni, A., Coresh, J., Lee, H., Kimmel, P., Vasan, R., Feldman, H., Segal, M., Ganz, P. (2023). Proteomics of CKD progression in the chronic renal insufficiency cohort. Nature Communication, Accepted.

Hsu, C. Y., Yang, W., Parikh, R. V., Anderson, A. H., Chen, T. K., Cohen, D. L., He, J., Mohanty, M. J., Lash, J. P., Mills, K. T., Muiru, A. N., Parsa, A., Saunders, M. R., Shafi, T., Townsend, R. R., Waikar, S. S., **Wang, J.**, Wolf, M., Tan, T. C., Feldman, H. I., ... CRIC Study Investigators (2021). Race, Genetic Ancestry, and Estimating Kidney Function in CKD. *The New England journal of medicine*, 385(19), 1750–1760. **(2022 Top 10 Clinical Research Achievement Awards).**

Preprints & Working paper

Miao, Z., **Wang, J.**, Park, K., Kuang, D., Kim, J. (2023). Model-based compound hypothesis testing for snATAC-seq data with PACS, bioRxiv.

Wang, J., Cui, Y. and Su, W. (2023). Two-sample comparison via unsupervised random forest. *Submitted.*

Wang, J. and Lin, X. Variance estimation with similarity encoding. *Working paper.*

Wang, J. and Li, H. Large-scale shared-signal detection and identification. *Working paper.*

Talks & Presentations

Contributed talk at JSM 2018: 'Integrating Data from GWAS and EQTL by Estimating Genetic Relatedness'.

Poster at JSM 2020: 'Robust Estimation of Genetic Covariance in High-Dimensional Generalized Linear Model'.

Contributed talk at JSM 2021 : 'A Unified Approach to Robust Inference for Genetic Covariance'.

Teaching Experience

Teaching assistant, 2018 Fall, BSTA 620 Probability

Teaching assistant, 2019 Fall, BSTA 620 Probability

Professional activities

Organizer of the 9th China-R Conference

Session chair of the Biostatistics session in 15th China-R Conference

Referee Service

Biometrics, Journal of the American Statistical Association

References

Dr. Hongzhe Li
Perelman Professor in Biostatistics, Epidemiology, and Informatics
University of Pennsylvania
hongzhe@pennmedicine.upenn.edu

Dr. Xihong Lin
Professor of Biostatistics and Statistics
Harvard University
xlin@hsph.harvard.edu

Dr. Peter Ganz
Director of the Center of Excellence in Vascular Research at the Zuckerberg San Francisco General Hospital.
Professor of Medicine, University of California, San Francisco
peter.ganz@ucsf.edu