

Jianqiao Wang

CONTACT INFORMATION 655 Huntington Avenue, HSPH 2-435 *E-mail:* j.wang@hsph.harvard.edu
Boston MA, 02115 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 **Jianqiao Wang**, Sai Li, and Hongzhe Li (2023). A Regression-based Approach to Robust Estimation and Inference for Genetic Covariance. *Journal of the American Statistical Association*, just-accepted.

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

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

Ke Xu, **Jianqiao Wang**, Rui Pan and Hansheng Wang (2019). Photographic diary: a new estimation approach to PM 2.5 monitoring. *Statistics and Its Interface*, 12(3): 387-395.

Yong Chen, **Jianqiao Wang**, Jessica Chubak, and Rebecca A. Hubbard (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.

Rajat Deo, Ruth F. Dubin, Yue Ren, Ashwin C. Murthy, **Jianqiao Wang**, Haotian Zheng, Zihe Zheng, Harold Feldman, Haochang Shou, Josef Coresh, Morgan Grams, Aditya Surapaneni, Zeenat Bhat, Jordana Cohen, Mahboob Rahman, Jiang He, Santosh Saraf, Alan Go, Paul Kimmel, Ramachandran Vasana, Mark Segal, Hongzhe Li, Peter Ganz (2023): Proteomic Risk Assessment for Incident Cardiovascular Disease among Individuals with Chronic Kidney Disease. *European Heart Journal*, 44(23), 2095-2110

Ruth F Dubin, Rajat Deo, Yue Ren, **Jianqiao Wang**, Zihe Zheng, Haochang Shou, Alan S. Go, Afshin Parsa, James P. Lash, Mahboob Rahman, Chi-yuan Hsu, Matthew R. Weir, Jing Chen, Amanda Anderson, Morgan E. Grams, Aditya Surapaneni, Josef Coresh, Hongzhe Li, Paul L. Kimmel, Ramachandran S. Vasana, Harold Feldman, Mark R. Segal, Peter Ganz, CRIC Study Investigators & CKD Biomarkers Consortium (2023). Proteomics of CKD progression in the chronic renal insufficiency cohort. *Nature Communication*, 14(1), 6340.

Chi-yuan Hsu, Wei Yang, Rishi V Parikh, Amanda H Anderson, Teresa K Chen, Debbie L Cohen, Jiang He, Madhumita J Mohanty, James P Lash, Katherine T Mills, Anthony N Muiru, Afshin Parsa, Milda R Saunders, Tariq Shafi, Raymond R Townsend, Sushrut S Waikar, **Jianqiao Wang**, Myles Wolf, Thida C Tan, Harold I Feldman, Alan S Go (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 Zhen Miao, **Jianqiao Wang**, Kernyu Park, Da Kuang, and Junhyong Kim (2023). Model-based compound hypothesis testing for snATAC-seq data with PACS, bioRxiv. *Submitted to Nature Cell Biology*.

Jianqiao Wang, Yifan Cui, and Weijie Su (2023). Two-sample comparison via unsupervised random forest. *Under revision at Annals of Statistics*.

Jianqiao Wang and Xihong Lin. Heritability estimation with genetic similarity embedding. *Working paper*.

Jianqiao Wang and Hongzhe Li. 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