

# Stanford

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## Lu Tian

Professor of Biomedical Data Science and, by courtesy, of Statistics  
Department of Biomedical Data Science

 Resume available Online

### Bio

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#### ACADEMIC APPOINTMENTS

- Professor, Department of Biomedical Data Science
- Professor (By courtesy), Statistics
- Member, Cardiovascular Institute

#### BOARDS, ADVISORY COMMITTEES, PROFESSIONAL ORGANIZATIONS

- Elected Fellow, American Statistical Association (2022 - present)

#### PROFESSIONAL EDUCATION

- Bachelor of Science, Nankai University , Mathematics (1995)
- Master of Science, Nankai University , Mathematics (1998)
- Doctor of Science, Harvard University , Biostatistics (2002)

#### LINKS

- personal site: <https://web.stanford.edu/~lutian/home.HTML>
- course site: <https://web.stanford.edu/~lutian/stat331.HTML>

### Research & Scholarship

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#### CURRENT RESEARCH AND SCHOLARLY INTERESTS

My research interest includes

- (1) Survival Analysis and Semiparametric Modeling;
- (2) Resampling Method ;
- (3) Meta Analysis ;
- (4) High Dimensional Data Analysis;
- (5) Precision Medicine for Disease Diagnosis, Prognosis and Treatment.

### Teaching

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#### COURSES

##### 2025-26

- An overview of Biomedical Data Science: BMDS 202 (Win)

- Biomedical Data Science Student Seminar: BMDS 201A, BMDS 201B, BMDS 201C (Aut)
- Data Studio: Consulting Workshop on Biomedical Data Science: BMDS 291A (Aut)
- Data Studio: Consulting Workshop on Biomedical Data Science: BMDS 291B (Win)
- Data Studio: Consulting Workshop on Biomedical Data Science: BMDS 291C (Spr)
- Survival Analysis: BMDS 252, STATS 331 (Win)

#### 2024-25

- Biomedical Data Science Student Seminar: BIOMEDIN 201 (Aut)
- Causal Inference in Clinical Trials and Observational Studies: BIODS 251, STATS 251 (Win)
- Consulting Workshop on Biomedical Data Science: BIODS 232 (Win, Spr)

#### 2023-24

- Biomedical Data Science Student Seminar: BIODS 201, BIOMEDIN 201 (Spr)
- Clinical Trial Design in the Age of Precision Medicine: BIODS 250, STATS 251 (Win)
- Consulting Workshop on Biomedical Data Science: BIODS 232 (Aut, Win, Spr)

#### 2022-23

- Biomedical Informatics Student Seminar: BIODS 201, BIOMEDIN 201 (Spr)
- Causal Inference in Clinical Trials and Observational Study (II): BIODS 249, BIODS 249P (Win)
- Consulting Workshop on Biomedical Data Science: BIODS 232 (Aut, Win, Spr)

## STANFORD ADVISEES

### Doctoral Dissertation Reader (AC)

Min Sun

### Postdoctoral Faculty Sponsor

Ying Cui

### Doctoral Dissertation Advisor (AC)

Bob Junyi Zou

### Doctoral Dissertation Co-Advisor (AC)

Jake Chang

### Master's Program Advisor

Helen Hill, Michael Jeffries, Junran Jia, Abizer Khumusi, Peter Kiernan, JeeHwan Kim, Thomas Lau, Iris Li, Mingyi Li, Melvin Liam Poon Keat, Shengming Liang, Rosina Lin, Corrine Liu, Peter Liu, David Lyu, Brandon Marks, Leah McGillicuddy, Colin McKhann, Ian Milstein, Ayushi Mohanty, Eashan Monga, Matthew Onadeko, Patricio Ortiz, Ryan Padnis, Simon Pritchard, Joshua Richland

### Doctoral (Program)

Vivian Utti, Harrison Zhang

## Publications

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### PUBLICATIONS

- **Precision medicine analysis of heterogeneity in individual-level treatment response to amyloid beta removal in early Alzheimer's disease.** *Alzheimer's & dementia : the journal of the Alzheimer's Association*

- Pang, M., Gabelle, A., Saha-Chaudhuri, P., Huijbers, W., Gafson, A., Matthews, P. M., Tian, L., Rubino, I., Hughes, R., de Moor, C., Belachew, S., Shen, C.  
2023
- **Low-dose naltrexone use for the management of post-acute sequelae of COVID-19.** *International immunopharmacology*  
Bonilla, H., Tian, L., Marconi, V. C., Shafer, R., McComsey, G. A., Miglis, M., Yang, P., Bonilla, A., Eggert, L., Geng, L. N.  
2023; 124 (Pt B): 110966
  - **Can earlier biomarker measurements explain a treatment effect on diabetes incidence? A robust comparison of five surrogate markers.** *BMJ open diabetes research & care*  
Parast, L., Tian, L., Cai, T., Palaniappan, L. P.  
2023; 11 (5)
  - **Characteristics of people with PAD identified with ankle brachial index testing in three US cities**  
Cetlin, M., Xu, S., Zhao, L., Tian, L., McDermott, M. M.  
SAGE PUBLICATIONS LTD.2023: 504-505
  - **Ischemic leg symptom severity and response to supervised exercise in peripheral artery disease (PAD): results from three randomized clinical trials**  
Whipple, M. O., Zhao, L., Tian, L., Zhang, D., McDermott, M. M.  
SAGE PUBLICATIONS LTD.2023: 501-502
  - **Time course of improved walking performance and patient reported outcome measures in response to supervised treadmill exercise in peripheral artery disease: a randomized clinical trial**  
Byskosh, N. C., Tian, L., Zhao, L., Zhang, D., McDermott, M. M.  
SAGE PUBLICATIONS LTD.2023: 499
  - **Using Restricted Mean Survival Time to Improve Interpretability of Time-to-Event Data Analysis.** *Clinical journal of the American Society of Nephrology : CJASN*  
Charu, V., Tian, L., Kurella-Tamura, M., Montez-Rath, M. E.  
2023
  - **The colocalome as a spatial -omic reveals shared microenvironment features between tumour-stroma assembloids and human lung cancer.** *bioRxiv : the preprint server for biology*  
Bouchard, G., Zhang, W., Li, I., Ilterten, I., Bhattacharya, A., Li, Y., Trope, W., Shrager, J. B., Kuo, C., Tian, L., Giaccia, A. J., Plevritis, S. K.  
2023
  - **Altered expression of the L-arginine/nitric oxide pathway in ovarian cancer: metabolic biomarkers and biological implications.** *BMC cancer*  
Chen, L., Tang, Q., Zhang, K., Huang, Q., Ding, Y., Jin, B., Liu, S., Hwa, K., Chou, C. J., Zhang, Y., Thyparambil, S., Liao, W., Han, et al  
2023; 23 (1): 844
  - **Home-Based Walking Exercise and Supervised Treadmill Exercise in Patients With Peripheral Artery Disease: An Individual Participant Data Meta-Analysis.** *JAMA network open*  
Thangada, N. D., Zhang, D., Tian, L., Zhao, L., Rejeski, W. J., Ho, K. J., Ferrucci, L., Spring, B., Kibbe, M. R., Polonsky, T. S., Criqui, M. H., McDermott, M. M.  
2023; 6 (9): e2334590
  - **Hospitalizations during home-based walking exercise interventions in peripheral artery disease: Results from two randomized clinical trials.** *Vascular medicine (London, England)*  
Thangada, N. D., Xu, S., Tian, L., Zhao, L., Criqui, M. H., Ferrucci, L., Rejeski, W. J., Leeuwenburgh, C., Manini, T., Spring, B., Treat-Jacobson, D., Forman, D. E., Bazzano, et al  
2023: 1358863X231191909
  - **Use the Receiver Operating Characteristic to Assess Model Accuracy-Reply.** *JAMA cardiology*  
Wang, X., Claggett, B. L., Tian, L.  
2023
  - **Benchmarking clinical risk prediction algorithms with ensemble machine learning: An illustration of the superlearner algorithm for the non-invasive diagnosis of liver fibrosis in non-alcoholic fatty liver disease.** *medRxiv : the preprint server for health sciences*  
Charu, V., Liang, J. W., Mannalithara, A., Kwong, A., Tian, L., Kim, W. R.  
2023

- **Evaluating the Duration of Response With Mirvetuximab Soravtansine for Treating Platinum-Resistant Ovarian Cancer.** *Journal of clinical oncology : official journal of the American Society of Clinical Oncology*  
McCaw, Z. R., Tian, L., Wei, L. J.  
2023: JCO2300288
- **Hybrid controlled clinical trials using concurrent registries in Amyotrophic Lateral Sclerosis: A feasibility study.** *Clinical pharmacology and therapeutics*  
van Eijk, R. P., van den Berg, L. H., Roes, K. C., Tian, L., Lai, T. L., Nelson, L. M., Li, C., Scowcroft, A., Garcia-Segovia, J., Lu, Y.  
2023
- **Overall and patient-specific comparative effectiveness of dimethyl fumarate versus teriflunomide: A novel approach to precision medicine applied to the German NeuroTrans Data Multiple Sclerosis Registry.** *Multiple sclerosis journal - experimental, translational and clinical*  
Jiang, X., Simoneau, G., Zuercher, M., Heer, Y., van Hoell, P., Harrington, A., Castro-Borrero, W., de Moor, C., Pellegrini, F., Tian, L., Bergmann, A., Braune, S.  
2023; 9 (3): 20552173231194353
- **Heterogeneous treatment effects of intensive glycemic control on kidney microvascular outcomes in ACCORD.** *medRxiv : the preprint server for health sciences*  
Charu, V., Liang, J. W., Chertow, G. M., Li, Z. J., Montez-Rath, M. E., Geldsetzer, P., de Boer, I. H., Tian, L., Tamura, M. K.  
2023
- **Metrologically Traceable Quantification of 3 Apolipoprotein E Isoforms in Cerebrospinal Fluid.** *Clinical chemistry*  
Huynh, H., Kuch, K., Orquillas, A., Forrest, K., Barahona-Carrillo, L., Keene, D., Henderson, V. W., Wagner, A. D., Poston, K. L., Montine, T. J., Lin, A., Tian, L., MacCoss, et al  
2023
- **Using a Clinically Interpretable End Point Composed of Multiple Outcomes to Evaluate Totality of Treatment Effect in Comparative Oncology Studies.** *JAMA network open*  
Wang, X., McCaw, Z. R., Tian, L., Stinchcombe, T. E., Vokes, E., Ludmir, E. B., Wei, L. J.  
2023; 6 (6): e2319055
- **Development of a Urine Metabolomics Biomarker-Based Prediction Model for Preeclampsia during Early Pregnancy.** *Metabolites*  
Zhang, Y., Sylvester, K. G., Jin, B., Wong, R. J., Schilling, J., Chou, C. J., Han, Z., Luo, R. Y., Tian, L., Ladella, S., Mo, L., Maric, I., Blumenfeld, et al  
2023; 13 (6)
- **A frequentist approach to dynamic borrowing.** *Biometrical journal. Biometrische Zeitschrift*  
Li, R., Lin, R., Huang, J., Tian, L., Zhu, J.  
2023: e2100406
- **Assessment of Median and Mean Survival Time in Cancer Clinical Trials.** *JAMA network open*  
Das, A., Lin, T. A., Lin, C., Meirson, T., McCaw, Z. R., Tian, L., Ludmir, E. B.  
2023; 6 (4): e236498
- **Mitochondrial Complex Abundance, Mitophagy Proteins, and Physical Performance in People With and Without Peripheral Artery Disease.** *Journal of the American Heart Association*  
Picca, A., Wohlgemuth, S. E., McDermott, M. M., Saini, S. K., Dayanidhi, S., Zhang, D., Xu, S., Kosmac, K., Tian, L., Ferrucci, L., Sufit, R. L., Marzetti, E., Leeuwenburgh, et al  
2023: e027088
- **Illusory Responses across the Lewy Body Disease Spectrum** *ANNALS OF NEUROLOGY*  
Shahid, M., Rawls, A., Ramirez, V., Ryman, S., Santini, V. E., Yang, L., Sha, S. J., Hall, J. N., Montine, T. J., Lin, A., Tian, L., Henderson, V. W., Cholerton, et al  
2023
- **Improving the Robustness of Variable Selection and Predictive Performance of Regularized Generalized Linear Models and Cox Proportional Hazard Models** *MATHEMATICS*  
Hong, F., Tian, L., Devanarayan, V.  
2023; 11 (3)
- **Quantifying and Interpreting the Prediction Accuracy of Models for the Time of a Cardiovascular Event-Moving Beyond C Statistic: A Review.** *JAMA cardiology*

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- Wang, X., Claggett, B. L., Tian, L., Malachias, M. V., Pfeffer, M. A., Wei, L. J.  
2023
- **On assessing survival benefit of immunotherapy using long-term restricted mean survival time.** *Statistics in medicine*  
Horiguchi, M., Tian, L., Uno, H.  
2023
  - **A Seasonality-Adjusted Sequential Test for Vaccine Safety Surveillance.** *Biometrics*  
Shen, R., Moll, K., Lu, Y., Tian, L.  
2023
  - **Exact inference for disease prevalence based on a test with unknown specificity and sensitivity.** *Journal of applied statistics*  
Cai, B., Ioannidis, J. P., Bendavid, E., Tian, L.  
2023; 50 (11-12): 2599-2623
  - **Medical therapies, comorbid conditions, and functional performance in people with peripheral artery disease enrolled in clinical trials between 2004 and 2021.** *Vascular medicine (London, England)*  
Nayak, P., Polonsky, T., Tian, L., Greenland, P., Xu, S., Zhang, D., Zhao, L., Criqui, M. H., Kibbe, M. R., Gladders, B., Goodney, P., Ho, K., Guralnik, et al  
2023: 1358863X221145533
  - **Cigarette smoking and mitochondrial dysfunction in peripheral artery disease.** *Vascular medicine (London, England)*  
Guo, M., McDermott, M. M., Dayanidhi, S., Leeuwenburgh, C., Wohlgemuth, S., Ferrucci, L., Peterson, C. A., Kosmac, K., Tian, L., Zhao, L., Sufit, R., Ho, K., Criqui, et al  
2022: 1358863X221143152
  - **Attendance at Supervised Exercise Sessions and Walking Outcomes in Peripheral Artery Disease: Results From 2 Randomized Clinical Trials.** *Journal of the American Heart Association*  
Hammond, M. M., Tian, L., Zhao, L., Zhang, D., McDermott, M. M.  
2022: e026136
  - **Causal inference for longitudinal data based on historical controls.** *Journal of biopharmaceutical statistics*  
Liu, J., Zhang, J., Mitchell, A., Fang, M., Tian, L.  
2022: 1-18
  - **The burden of cardiovascular disease attributable to high systolic blood pressure across China, 2005-18: a population-based study.** *The Lancet. Public health*  
Cao, X., Zhao, Z., Kang, Y., Tian, Y., Song, Y., Wang, L., Zhang, L., Wang, X., Chen, Z., Zheng, C., Tian, L., Yin, P., Fang, et al  
2022; 7 (12): e1027-e1040
  - **The burden of cardiovascular disease attributable to high systolic blood pressure across China, 2005-18: a population-based study** *LANCET PUBLIC HEALTH*  
Cao, X., Zhao, Z., Kang, Y., Tian, Y., Song, Y., Wang, L., Zhang, L., Wang, X., Chen, Z., Zheng, C., Tian, L., Yin, P., Fang, et al  
2022; 7 (12): E1027-E1040
  - **Characteristics of non-response to exercise therapy in people with peripheral artery disease: results from five randomized clinical trials**  
Nayak, P., Zhang, D., Tian, L., Zhao, L., McDermott, M. M.  
SAGE PUBLICATIONS LTD.2022: 628-629
  - **Using a surrogate with heterogeneous utility to test for a treatment effect.** *Statistics in medicine*  
Parast, L., Cai, T., Tian, L.  
2022
  - **Performance of a fully-automated Lumipulse plasma phospho-tau181 assay for Alzheimer's disease.** *Alzheimer's research & therapy*  
Wilson, E. N., Young, C. B., Ramos Benitez, J., Swarovski, M. S., Feinstein, I., Vandijck, M., Le Guen, Y., Kasireddy, N. M., Shahid, M., Corso, N. K., Wang, Q., Kennedy, G., Trelle, et al  
2022; 14 (1): 172
  - **Dysregulated Genes, MicroRNAs, Biological Pathways, and Gastrocnemius Muscle Fiber Types Associated With Progression of Peripheral Artery Disease: A Preliminary Analysis.** *Journal of the American Heart Association*

- Saini, S. K., Perez-Cremades, D., Cheng, H. S., Kosmac, K., Peterson, C. A., Li, L., Tian, L., Dong, G., Wu, K. K., Bouverat, B., Wohlgenuth, S. E., Ryan, T., Sufit, et al  
2022: e023085
- **The effect of hyperoxia on ventilation during recovery from general anesthesia: A randomized pilot study for a parallel randomized controlled trial.** *Journal of clinical anesthesia*  
Doufas, A. G., Tian, L., Kutscher, S., Finnsson, E., Ágústsson, J. S., Chung, B. I., Panousis, P.  
2022; 83: 110982
  - **Effect of Telmisartan on Walking Performance in Patients With Lower Extremity Peripheral Artery Disease The TELEX Randomized Clinical Trial** *JAMA-JOURNAL OF THE AMERICAN MEDICAL ASSOCIATION*  
McDermott, M. M., Bazzano, L., Peterson, C. A., Sufit, R., Ferrucci, L., Domanchuk, K., Zhao, L., Polonsky, T. S., Zhang, D., Lloyd-Jones, D., Leeuwenburgh, C., Guralnik, J. M., Kibbe, et al  
2022; 328 (13): 1315-1325
  - **Effect of Telmisartan on Walking Performance in Patients With Lower Extremity Peripheral Artery Disease: The TELEX Randomized Clinical Trial.** *JAMA*  
McDermott, M. M., Bazzano, L., Peterson, C. A., Sufit, R., Ferrucci, L., Domanchuk, K., Zhao, L., Polonsky, T. S., Zhang, D., Lloyd-Jones, D., Leeuwenburgh, C., Guralnik, J. M., Kibbe, et al  
2022; 328 (13): 1315-1325
  - **BOUNDS ON THE CONDITIONAL AND AVERAGE TREATMENT EFFECT WITH UNOBSERVED CONFOUNDING FACTORS** *ANNALS OF STATISTICS*  
Yadlowsky, S., Namkoong, H., Basu, S., Duchi, J., Tian, L.  
2022; 50 (5): 2587-2615
  - **Quantifying Treatment Effects in Trials with Multiple Event-Time Outcomes.** *NEJM evidence*  
Claggett, B. L., McCaw, Z. R., Tian, L., McMurray, J. J., Jhund, P. S., Uno, H., Pfeffer, M. A., Solomon, S. D., Wei, L.  
2022; 1 (10)
  - **Mindfulness-Based Stress Reduction, Cognitive Behavioral Therapy, and Acupuncture in Chronic Low Back Pain: Protocol for Two Linked Randomized Controlled Trials.** *JMIR research protocols*  
Mackey, S., Gilam, G., Darnall, B., Goldin, P., Kong, J., Law, C., Heirich, M., Karayannis, N., Kao, M., Tian, L., Manber, R., Gross, J.  
2022; 11 (9): e37823
  - **BARRIERS TO PARTICIPATION IN SUPERVISED EXERCISE THERAPY REPORTED BY PEOPLE WITH PERIPHERAL ARTERY DISEASE.** *Journal of vascular surgery*  
Cetlin, M. D., Polonsky, T., Ho, K., Zhang, D., Tian, L., Zhao, L., Greenland, P., Treat-Jacobson, D., Kibbe, M. R., Criqui, M. H., Guralnik, J. M., McDermott, M. M.  
2022
  - **Efficient Evaluation of Prediction Rules in Semi-Supervised Settings under Stratified Sampling.** *Journal of the Royal Statistical Society. Series B, Statistical methodology*  
Gronsbell, J., Liu, M., Tian, L., Cai, T.  
2022; 84 (4): 1353-1391
  - **Illusory responses across the Lewy body disease spectrum**  
Shahid, M., Rawls, A., Ramirez, V., Ryman, S., Santini, V., Yang, L., Sha, S., Hall, J., Montine, T., Lin, A., Tian, L., Henderson, V., Cholerton, et al  
WILEY.2022: S364-S365
  - **Predictive signature development based on maximizing the area between receiver operating characteristic curves.** *Statistics in medicine*  
Huang, X., Tian, L., Sun, Y., Chatterjee, S., Devanarayan, V.  
2022
  - **Thalamic nuclei atrophy at high and heterogenous rates during cognitively unimpaired human aging.** *NeuroImage*  
Choi, E. Y., Tian, L., Su, J. H., Radovan, M. T., Tourdias, T., Tran, T. T., Trelle, A. N., Mormino, E., Wagner, A. D., Rutt, B. K.  
2022: 119584
  - **Handling Informative Premature Treatment or Study Discontinuation for Assessing Between-Group Differences in a Comparative Oncology Trial.** *JAMA oncology*  
Huang, B., Sun, R., Claggett, B., Tian, L., Ludmir, E. B., Wei, L.

2022

- **Overall and patient-level comparative effectiveness of dimethyl fumarate and fingolimod: A precision medicine application to the Observatoire Français de la Sclérose en Plaques registry.** *Multiple sclerosis journal - experimental, translational and clinical*  
Simoneau, G., Jiang, X., Rollot, F., Tian, L., Copetti, M., Guéry, M., Ruiz, M., Vukusic, S., de Moor, C., Pellegrini, F.  
2022; 8 (3): 20552173221116591
- **Effects of Walking Exercise at a Pace With Versus Without Ischemic Leg Symptoms on Functional Performance Measures in People With Lower Extremity Peripheral Artery Disease: The LITE Randomized Clinical Trial.** *Journal of the American Heart Association*  
Hammond, M. M., Spring, B., Rejeski, W. J., Sufit, R., Criqui, M. H., Tian, L., Zhao, L., Xu, S., Kibbe, M. R., Leeuwenburgh, C., Manini, T., Forman, D. E., Treat-Jacobson, et al  
2022: e025063
- **A Composite Endpoint for Treatment Benefit According to Patient Preference** *STATISTICS IN BIOPHARMACEUTICAL RESEARCH*  
Lu, Y., Zhao, Q., Zou, J., Yan, S., Tamareisis, J. S., Nelson, L., Tu, X. M., Chen, J., Tian, L.  
2022
- **Association of Cognition and Dementia With Neuropathologic Changes of Alzheimer Disease and Other Conditions in the Oldest-Old.** *Neurology*  
Montine, T. J., Corrada, M. M., Kawas, C., Bukhari, S., White, L., Tian, L., Cholerton, B.  
2022
- **Efficient evaluation of prediction rules in semi-supervised settings under stratified sampling** *JOURNAL OF THE ROYAL STATISTICAL SOCIETY SERIES B-STATISTICAL METHODOLOGY*  
Gronsbell, J., Liu, M., Tian, L., Cai, T.  
2022
- **Robust approach to combining multiple markers to improve surrogacy.** *Biometrics*  
Wang, X., Parast, L., Han, L., Tian, L., Cai, T.  
2022
- **Nervous system drugs taken by future fathers and birth defects in offspring: a prospective registry-based cohort study.** *BMJ open*  
Wensink, M., Lu, Y., Tian, L., Jensen, T. K., Skakkebak, N. E., Lindahl-Jacobsen, R., Eisenberg, M.  
2022; 12 (3): e053946
- **Preconception Antidiabetic Drugs in Men and Birth Defects in Offspring : A Nationwide Cohort Study.** *Annals of internal medicine*  
Wensink, M. J., Lu, Y., Tian, L., Shaw, G. M., Rizzi, S., Jensen, T. K., Mathiesen, E. R., Skakkebak, N. E., Lindahl-Jacobsen, R., Eisenberg, M. L.  
2022
- **Utilizing restricted mean duration of response for efficacy evaluation of cancer treatments.** *Pharmaceutical statistics*  
Huang, B., Tian, L.  
2022
- **Deviation from the precisely timed age-associated patterns revealed by blood metabolomics to find CRC patients at risk of relapse at the CRC diagnosis**  
Thyparambil, S. P., Zhu, X., Zhang, Y., Sun, H., Peng, J., Cai, S., Li, Y., Fu, C., Bao, P., Hao, S., Li, Z., Ding, Y., Yao, et al  
LIPPINCOTT WILLIAMS & WILKINS.2022
- **Evaluating Long-term Efficacy of Neoadjuvant Chemoradiotherapy Plus Surgery for the Treatment of Locally Advanced Esophageal Squamous Cell Carcinoma.** *JAMA surgery*  
Sun, R., Tian, L., Wei, L.  
1800
- **Weighted Approach for Estimating Effects in Principal Strata With Missing Data for a Categorical Post-Baseline Variable in Randomized Controlled Trials** *STATISTICS IN BIOPHARMACEUTICAL RESEARCH*  
Kong, S., Heinzmann, D., Lauer, S., Tian, L.  
2022
- **Exact inference for disease prevalence based on a test with unknown specificity and sensitivity** *JOURNAL OF APPLIED STATISTICS*  
Cai, B., Ioannidis, J. P. A., Bendavid, E., Tian, L.  
2022

- **Corrigendum: Distinct Age-Related Epigenetic Signatures in CD4 and CD8 T Cells.** *Frontiers in immunology*  
Hu, B., Jadhav, R. R., Gustafson, C. E., Le Saux, S., Ye, Z., Li, X., Tian, L., Weyand, C. M., Goronzy, J. J.  
2022; 13: 911132
- **Effects of emollient therapy with sunflower seed oil on neonatal growth and morbidity in Uttar Pradesh, India: a cluster-randomized, open-label, controlled trial.** *The American journal of clinical nutrition*  
Kumar, V., Kumar, A., Mishra, S., Kan, P., Ashraf, S., Singh, S., Blanks, K. J., Baiocchi, M., Limcaoco, M., Ghosh, A. K., Kumar, A., Krishna, R., Stevenson, et al  
2022
- **Ways Forward in Preventing Severe Maternal Morbidity and Maternal Health Inequities: Conceptual Frameworks, Definitions, and Data, from a Population Health Perspective.** *Women's health issues : official publication of the Jacobs Institute of Women's Health*  
Carmichael, S. L., Abrams, B., El Ayadi, A., Lee, H. C., Liu, C., Lyell, D. J., Lyndon, A., Main, E. K., Mujahid, M., Tian, L., Snowden, J. M.  
1800
- **One-Year Change in Walking Performance and Subsequent Mobility Loss and Mortality Rates in Peripheral Artery Disease: Longitudinal Data From the WALCS.** *Journal of the American Heart Association*  
Hammond, M. M., Tian, L., Zhao, L., Zhang, D., McDermott, M. M.  
1800: e021917
- **Development and Validation of A Long-Term Incident Heart Failure Risk Model.** *Circulation research*  
Khan, S. S., Ning, H., Allen, N. B., Carnethon, M., Yancy, C. W., Shah, S. J., Wilkins, J. T., Tian, L., Lloyd-Jones, D.  
2021
- **Testing for heterogeneity in the utility of a surrogate marker.** *Biometrics*  
Parast, L., Cai, T., Tian, L.  
2021
- **Practical Recommendations on Quantifying and Interpreting Treatment Effects in the Presence of Terminal Competing Risks: A Review.** *JAMA cardiology*  
McCaw, Z. R., Claggett, B. L., Tian, L., Solomon, S. D., Berwanger, O., Pfeffer, M. A., Wei, L.  
2021
- **Severe delayed hypersensitivity reactions to IL-1 and IL-6 inhibitors link to common HLA-DRB1\*15 alleles.** *Annals of the rheumatic diseases*  
Saper, V. E., Ombrello, M. J., Tremoulet, A. H., Montero-Martin, G., Prahald, S., Canna, S., Shimizu, C., Deutsch, G., Tan, S. Y., Remmers, E. F., Monos, D., Hahn, T., Phadke, et al  
2021
- **Identifying Gaps in Disease Knowledge among Patients with Peripheral Artery Disease.** *Journal of vascular surgery*  
Byskosh, N., Pamulapati, V., Xu, S., Vavra, A. K., Hoel, A. W., Tian, L., McDermott, M. M., Butt, Z., Ho, K. J.  
2021
- **Analysis of Outcomes With Addition of Immunotherapy to Chemoradiation Therapy for Non-Small Cell Lung Cancer.** *JAMA oncology*  
Tian, L., Huang, B., Wei, L.  
2021
- **Statistical Considerations for Sequential Analysis of the Restricted Mean Survival Time for Randomized Clinical Trials.** *Statistics in biopharmaceutical research*  
Lu, Y., Tian, L.  
2021; 13 (2): 210-218
- **Chimeric Antigen Receptor-T Cell Therapy in Adults with B-Cell Acute Lymphoblastic Leukemia: A Systematic Review.** *Blood advances*  
Grover, P., Veilleux, O., Tian, L., Sun, R., Previtera, M., Curran, E., Muffly, L.  
2021
- **Exercise characteristics associated with improved walking performance in peripheral artery disease: the lite randomized clinical trial**  
Slysz, J., McDermott, M. M., Tian, L., Zhao, L.  
SAGE PUBLICATIONS LTD.2021: NP7
- **Quantifying the feasibility of shortening clinical trial duration using surrogate markers.** *Statistics in medicine*  
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