April, 2023

CURRICULUM VITAE

Name   Yi Li
Department of Biostatistics
University of Michigan
1415 Washington Heights
Ann Arbor, MI 48109
yili@umich.edu
734-647-5766 (O)

Education

Post-doctoral Fellow	Biostatistics	Harvard University, MA	1999-2000
Ph.D.	Biostatistics	University of Michigan, MI	July, 1999
M.S.	Biostatistics	University of Michigan, MI	May, 1996
M.S.	Mathematics	Tulane University, LA	May, 1994
B.S.	Mathematics	Nanjing University, China	July, 1991

Experience

2022-	M. Anthony Schork Collegiate Professor
	School of Public Health, University of Michigan
2017-	Professor of Global Public Health
	School of Public Health, University of Michigan
2011-	Professor of Biostatistics (tenured)
	Department of Biostatistics, University of Michigan
2016-	Director of China Initiatives
	School of Public Health, University of Michigan
2016 -	Co-Director of Global Statcore
	School of Public Health, University of Michigan
2011-2016	Director of Kidney Epidemiology and Cost Center
	School of Public Health, University of Michigan
2011-2014	Adjunct Full Professor
	Department of Biostatistics, Harvard University
2005-2011	Associate Professor
	Department of Biostatistics, Harvard University
2000-2005	Assistant Professor
	Department of Biostatistics, Harvard University
1999-2000	Research Fellow
	Department of Biostatistics, Harvard University

Publications

<u>Peer-Reviewed Statistical Publications</u>

1. **Li, Y.** and Lin, X. (2000) Covariate measurement errors in frailty models for clustered survival data. *Biometrika*, 87, 849-66.

2. Gray, R. and **Li, Y.** (2002) Optimal weights for marginal proportional hazards analysis of clustered failure time data. *Lifetime Data Analysis,* 8, 4-19.

3. **Li, Y.** and Ryan, L. (2002) Modeling spatial survival data using semi-parametric frailty models. *Biometrics*, 58, 287-97.

4. **Li, Y.**, Betensky, R., Louis, D. and Cairncross, J. (2002) The use of frailty hazard models for unrecognized heterogeneity that interacts with treatment: considerations of efficiency and power. *Biometrics,* 58, 232-36.

5. **Li, Y.** and Lin, X. (2003) Testing random effects in uncensored/censored clustered data with categorical responses. *Biometrics,* 59, 25-35.

6. **Li, Y.** and Lin, X. (2003) Functional inference in frailty measurement error models for clustered survival data using the SIMEX approach. *Journal of the American Statistical Association*, 98, 191-204.

7. **Li, Y.**, Ryan, L., Bellamy, S. and Satten, G. (2003) Inference on clustered survival data using imputed frailties. *Journal of Computational and Graphical Statistics,* 12, 640-62.

8. **Li, Y.** and Ryan, L. (2004). Survival analysis with heterogeneous measurement error. *Journal of the American Statistical Association*, 99, 724-35.

9. Bellamy, S., **Li, Y.**, Ryan, L., Lipsitz, S., Jacobson, M. and Wright, R. (2004) Analysis of clustered and interval censored data from a community-based study in asthma. *Statistics in Medicine*, 23, 3607-21.

10. **Li, Y.** and Feng, J. (2005) A Nonparametric Comparison of Conditional Distributions with Nonnegligible Cure Fractions. *Lifetime Data Analysis*, 11, 367-387.

11. Bellamy, S., **Li, Y.**, Lin, X. and Ryan, L. (2005) Quantifying the bias associated with PQL covariate effects in cluster-randomized trials. *Statistica Sinica,* 15, 1015-32.

12. **Li, Y.** (2006) Random effects models. In: Pham, H., Ying, Z., Wu, J. eds. *Springer Handbook of Engineering Statistics*, Springer-Verlag, London, 687-704.

13. **Li, Y.** and Ryan, L. (2006) Inference on survival data with covariate measurement error - an imputation approach. *Scandinavian Journal of Statistics,* 33, 169-190.

14. **Li, Y.** and Lin, X. (2006) Semiparametric normal transformation models for spatially correlated survival data. *Journal of the American Statistical Association,* 101, 591-603.

15. Goodman, M., **Li, Y.**, Bennett, G., Emmons, K. and Stoddard, S. (2006) An optimal evaluation of multiple behavioral risk factors for cancer in a working class, multi-ethnic population. *Journal of Data Science*, 4, 291-306.

16. Zhang, B., **Li, Y.** and Betensky, R. (2006) Effects of unmeasured heterogeneity in the linear transformation model for censored data. *Lifetime Data Analysis*, 12, 191-203.

17. Cook, A., Gold, D. and **Li, Y.** (2007) Spatial clustering detection for censored outcomes. *Biometrics*, 63, 540-9.

18. **Li, Y.**, Tiwari, R. and Guha, S. (2007) Mixture cure survival models with dependent censoring. *Journal of the Royal Statistical Society B (Statistical Methodology)*, 69, 285-306.

19. **Li, Y.** (2007) Discussion of "Semiparametric regression models with censored data" by Zeng and Lin. *Journal of the Royal Statistical Society B (Statistical Methodology)*, 69, 552-4.

20. **Li, Y.**, Shih, M. and Betensky, R. (2007) Designed extension of survival studies: application to clinical trials with unrecognized heterogeneity. *Statistica Sinica*, 17, 1567-89.

21. **Li, Y.** and Tiwari, R. (2008) Comparing trends in cancer rates across overlapping regions. *Biometrics*, 64, 1280-6.

22. Guha, S., **Li, Y.** and Neuberg, D. (2008) Bayesian hidden Markov modeling of array CGH data. *Journal of the American Statistical Association*, 103, 485-97.

23. **Li, Y.**, Tiwari, R. and Zou, Z. (2008) An Age-stratified Poisson model for comparing trends in cancer rates across overlapping regions. *Biometrical Journal*, 50, 608-19.

24. **Li, Y.**, Prentice, R. and Lin, X. (2008) Semiparametric normal transformation models for bivariate survival data. *Biometrika*, 95, 947-60.

25. Cook, A. and **Li, Y.** (2008) Rejoinder to "Asymptotic Distribution of Score Statistics for Spatial Cluster Detection with Censored Data". *Biometrics*, 64, 1289-92.

26. **Li, Y.** (2008) A short summary of discussions on the growth and future of Biostatistics. *Biometric Bulletin*, 25, 12-12.

27. **Li, Y.** (2009) Modeling and analysis of spatially correlated Data. In: Fan, J., Lin, X., Liu, J. eds. *New Developments in Biostatistics and Bioinformatics*, World Scientific, Singapore, 73-99.

28. **Li, Y.**, Tang, H. and Lin, X. (2009) Covariate measurement error in spatial linear mixed models. *Statistica Sinica*, 19, 1077-93.

29. Zhao, D. and **Li, Y.** (2009) A note on optimal weights and variable selections for multivariate survival data. *Science in China - Series A: Mathematics*, 52, 1131-3.

30. Najita, J., **Li, Y.** and Catalano, P. (2009) A novel application of a bivariate regression model for binary and continuous outcomes to studies of fetal toxicity. *Journal of the Royal Statistical Society -Series C*, 58, 555-73.

31. Engler, D. and **Li, Y.** (2009) Survival analysis with high dimensional covariates: an application in microarray studies. *Statistical Applications in Genetics and Molecular Biology*, 8, Article 14.

32. Othus, M., **Li, Y.** and Tiwari, R. (2009) A class of semiparametric mixture cure survival models with dependent censoring. *Journal of the American Statistical Association*, 104, 1241-50.

33. Cook, A., Gold, D. and **Li, Y.** (2009) Spatial cluster detection for repeatedly measured outcomes while accounting for residential history. *Biometrical Journal,* 51, 801-18.

34. Cook, A., **Li, Y.**, Arterburn, D. and Tiwari, R. (2010) Spatial cluster detection for weighted outcomes using cumulative geographic residuals. *Biometrics,* 66, 783-92.

35. Othus, M. and **Li, Y.** (2011) A Gaussian copula model for multivariate survival data. *Statistics in Biosciences*, 2, 154-79.

36. Walters, K., **Li, Y.**, Tiwari, R. and Zou, Z. (2011) A weighted-least-squares estimation approach to comparing trends in age-adjusted cancer rates across overlapping regions. *Journal of Data Science,* 8(4), 631-44.

37. Martin, N. and **Li, Y.** (2011) A new class of minimum power divergence estimators with applications to cancer surveillance. *Journal of Multivariate Analysis*, 102, 1175-93.

38. Liao, X., Zucker, D., **Li, Y.** and Spiegelman, D. (2011) Survival analysis with error-prone time-varying covariates: a risk set calibration approach. *Biometrics*, 67, 50-8.

39. **Li, Y.**, Tian, L. and Wei, L.J. (2011) Estimating subject-specific dependent competing risk profile with censored event time observations. *Biometrics*, 67, 427-35.

40. Goodman, M., **Li, Y.** and Tiwari, R. (2011) Detecting multiple change points in piecewise constant hazard functions. *Journal of Applied Statistics*, 38, 2523-32.

41. Martin, N. and **Li, Y.** (2011) Multiple comparison of trends in cancer rates taking into account overlapping cases. *Understanding Complex Systems (Springer Series), Modern Mathematical Tools and Techniques in Capturing Complexity* (Eds:Pardo, L.,Balakrishnan, N., Gil, M.), 72, 485-94.

42. Othus, M., **Li, Y.** and Tiwari, R. (2012) Change-point cure models with application to estimating the change-point effect of age of diagnosis among prostate cancer patients. *Journal of Applied Statistics,* 39, 901-11.

43. Cook, A., Gold, D. and **Li, Y.** (2013) Spatial cluster detection for longitudinal outcomes using administrative regions. *Communications in Statistics - Theory and Methods*, 42, 2105-17.

44. Zhao, D. and **Li, Y.** (2012) Principled sure independence screening for Cox models with ultrahigh-dimensional covariate. *Journal of Multivariate Analysis,* 105, 397-411.

45. Zhao, X., Dai, W., **Li, Y.** and Tian, L. (2011) AUC based biomarker ensemble with an application in gene scores predicting low bone mineral density. *Bioinformatics*, 27, 3050-5.

46. Kim, S., Zeng, D., Chambless, L. and **Li, Y.** (2012) Joint models of longitudinal data and recurrent events with informative terminal event. *Statistics in Biosciences*, 4, 262-81.

47. Goodman, M. and **Li, Y.** (2012) Nonparametric diagnostic test for conditional logistic regression. *Journal of Biometrics and Biostatistics*, 3, 136.

48. **Li, Y.** (2013) Book review of "Modeling Survival Data Using Frailty Models" by David D. Hanagal. *Journal of the American Statistical Association*, 108, 1136-6.

49. Wang, H., Zhou, J. and **Li, Y.** (2013) Variable selection for censored quantile regression. *Statistica Sinica*, 23, 145-67.

50. Zucker, D., Malka, G., **Li, Y.**, Tadesse, M. and Spiegelman, D. (2013) A regularization/extrapolation corrected score method for nonlinear regression models with covariate error. *Biometrics*, 69, 80-90.

51. Kim, S., Zeng, D., **Li, Y.** and Spiegelman, D. (2013) Joint modeling of longitudinal and cure survival data. *Journal of Statistical Theory and Practice,* 7, 324-44.

52. **Li, Y.**, Dicker, L. and D. Zhao. (2014) The Dantzig selector for censored linear regression models. *Statistica Sinica*, 24, 251-68.

53. Lin, H., Zhou, L., Elashoff, R. and **Li, Y.** (2014) Semiparametric latent variable transformation models for multiple mixed outcomes. *Statistica Sinica*, 24, 833-54.

54. He, Z., Kalbfleisch, J., Li, Y.J. and **Li, Y.** (2013) Evaluating readmission rates in dialysis facilities with or without adjustment for hospital effects. *Lifetime Data Analysis*, 19, 490-512.

55. Goodman, M., **Li, Y.**, Stoddard, A. and Sorensen, G. (2014) Analysis of ordinal outcomes with longitudinal covariates subject to missingness. *Journal of Applied Statistics*, 41, 1040-52.

56. Xu, P., Zhu, L. and **Li, Y.** (2014) Ultra-high dimensional time course feature selection. *Biometrics*, 70, 356-65.

57. Zhou, L., Lin, H., Song, X. and **Li, Y.** (2014) Selection of latent variables for multiple mixed-outcome models. *Scandinavian Journal of Statistics*, 41, 1064-82.

58. Zhou, L., Lin, H., Song, X. and **Li, Y.** (2014) Semiparametric transformation models for semicompeting survival data. *Biometrics*, 70, 599-607.

59. Snavely, A., Harrington, D. and **Li, Y.** (2014) A latent variable transformation model approach for exploring dysphagia. *Statistics in Medicine*, 33, 4337-52.

60. Zhao, D. and **Li, Y.** (2014) Score test variable screening. *Biometrics*, 70, 862-71.

61. Zheng, Y., Fei, Z., Zhang, W., Baccarelli, A., **Li, Y.** and Hou, L. (2014) PGS: a tool for association study of high-dimensional microRNA expression data with repeated measures. *Bioinformatics*, 30, 2802-7.

62. Xu, P., Zhu, J., Zhu, L. and **Li, Y.** (2015) Covariance enhanced discriminant analysis. *Biometrika*, 102, 33-45.

63. Kim, S., **Li, Y.** and Spiegelman, D. (2016) A semiparametric copula method for Cox models with covariate measurement error. *Lifetime Data Analysis,* 22, 1-16.

64. Zhao, L., Shi, J., Shearon, T. and **Li, Y.** (2015) A Dirichlet process mixture model for survival outcome data: assessing nationwide kidney transplant centers. *Stat in Med,* 34, 1404-16.

65. Lin, H., Tan, M. and **Li, Y.** (2016) A semiparametrically efficient estimator of single-index varying coefficient Cox proportional hazards models. *Statistica Sinica*, 26, 779-806.

66. He, K., Li, Y., Zhu, J., Liu, H., Lee, J., Amos, C., Hyslop, T., Jin, J., Lin, H., Wei, Q. and **Li, Y.** (2016) Component-wise gradient boosting and false discovery control in survival analysis with high-dimensional covariates. *Bioinformatics*, 32, 50-7.

67. Lin, H., Fei, Z. and **Li, Y.** (2016) A semiparametrically efficient estimator of the time-varying effects for survival data with time-dependent treatment. *Scandinavian Journal of Statistics*, 43, 649-63.

68. He, K., Li, Y., Wei, Q. and **Li, Y.** (2017) Computationally efficient approach for modeling complex and big survival data. In: Ahmed, S. eds. *Big and Complex Data Analysis: Statistical Methodologies and Applications*, Springer, 193-207.

69. Lehmann, D., Li, Y. , Saran, R. and **Li, Y.** (2017) Strengthening instrument variables via weighting. *Stat in Biosciences*, 9, 320–38.

70. He, K., Li, Y., Zhu, J. and **Li, Y.** (2017) Modeling time-varying effects with large-scale survival data: an efficient quasi-Newton approach. *Journal of Computational and Graphical Statistics*, 26, 635-45.

71. Li, Y., Hong, H.G. and **Li, Y.** (2017) Discussion of "Post Selection Shrinkage Estimation for High Dimensional Data Analysis." *Appl. Stochastic Models Bus. Ind.*, 33, 126-9.

72. Ma, Y., Li, Y., Lin, H. and **Li, Y.** (2017) Concordance measure-based feature screening and variable selection. *Stat Sinica,* 27, 1967-85.

73. Marino, M., Buxton, O. and **Li, Y.** (2017) Covariate selection for multilevel models with missing data. *STAT,* 6, 31-46.

74. Hong, H. G., Kang, J. and **Li, Y.** (2018) Conditional screening for ultra-high dimensional covariates with survival outcomes. *Lifetime Data Anal,* 24, 45-71.

75. Wu, F., Kim, S., Qin, J., Saran, R. and **Li, Y.** (2018) A pairwise likelihood augmented Cox estimator for left-truncated data. *Biometrics*, 74, 100-8.

76. Kang, J., Hong, H. G. and **Li, Y.** (2017) Partition based ultrahigh dimensional variable screening. *Biometrika,* 104, 785-800.

77. Hong, H. G., Chen, C., Christiani, D. C. and **Li, Y.** (2018) Integrated powered density: screening ultrahigh-dimensional covariates with survival outcomes. *Biometrics,* 74, 421-9.

78. Jha, C., **Li, Y.** and Guha, S. (2017) Semiparametric Bayesian analysis of high-dimensional censored outcome data. *Statistical Theory and Related Fields*, 1, 194-204.

79. Hong, H. G. and **Li, Y.** (2017) Feature selection of ultrahigh-dimensional covariates with survival outcomes: a selective review. *Appl Math Ser B*, 32, 379-96.

80. Marino, M. and **Li, Y.** (2017) Factor analysis of correlation matrices when the number of random variables exceeds the sample size. *Statistical Theory and Related Fields*, 1, 246-56.

81. Rong, Y., Zhao, D., Zhu, J., Yuan, W., Cheng, W. and **Li, Y.** (2018) More accurate semiparametric regression in pharmacogenomics. *Statistics and Its Interface*, 11, 573-80.

82. Li, Y., Hong, H., Ahmed, S. E. and **Li, Y.** (2018) Weak signals in high-dimension regression: detection, estimation and prediction. *Applied Stochastic Models in Business and Industry*, 35(2), 283-98. DOI: 10.1002/asmb.2340.

83. Hong, H. G., Chen, C., Kang, J. and **Li, Y.** (2020) The L_q norm learning for ultrahigh-dimensional survival data: an integrative framework. *Stat Sinica*, 30(3): 1213-33. DOI:10.5705/ss.202017.053

84. He, K, Kang, J., Hong, H., Li, Y., Zhu, J., Lin, H., Xu, H. and **Li, Y.** (2019) Covariance-insured screening. *Computational Statistics & Data Analysis*, 132, 100-14.

85. He, K., Jiang, H., Zhou, X., Wen, W. and **Li, Y.** (2018) False discovery control for penalized variable selections with high-dimensional covariates. *Statistical Applications in Genetics and Molecular Biology*, 17 (6). https://DOI.org/10.1515/sagmb-2018-0038

86. Zucker, D., Zhou, X., Liao, X., **Li, Y.** and Spiegelman, D. (2019) A modified partial likelihood score method for Cox regression with covariate error under the internal validation design. *Biometrics*, 75, 414-27. https://DOI.org/10.1111/biom.13012.

87. Fei, Z., Zhu, J., Banerjee, M. and **Li, Y.** (2019) Drawing inference on high dimensional linear models: a selection-assisted partial regression and smoothing approach. *Biometrics*, 75, 551-61. https://DOI.org/10.1111/biom.13013

88. Hong, H., Zheng, Q. and **Li, Y.** (2019) Forward regression with partial likelihood. *Journal of Multivariate Analysis*, 173, 268-90.

89. Cheng, M., Guindani, M., Lee, J., **Li, Y.** and Liu, C. (2019) Editorial: Special Issue on Biostatistics. *Computational Statistics & Data Analysis*, 132, 1-2.

90. He, K., Kalbfleisch, J.D., Yang, Y., Fei, Z., Kim, S., Kang, J. and **Li, Y.** (2019). Inter-unit reliability for quality measure testing. *Journal of Hospital Administration*, 8(2), 1-6. DOI:10.5430/jha.v8n2p1.

91. Li, Y., Hong, H. and **Li, Y.** (2019) Multiclass linear discriminant analysis with ultrahigh-dimensional features. *Biometrics*, 75(4), 1086-97.

92. Hong, H., Christiani, D. C. and **Li, Y.** (2019) Quantile regression for survival data in modern cancer research: expanding statistical tools for precision medicine. *Precision Clinical Medicine*, 2, 90-9.

93. Lin, H., Hong, H., Yang, B., Zhang, Y., Fan, G. and **Li, Y.** (2019) Nonparametric time-varying coefficient models for panel data: inference and application. *Stat in Biosciences*, 11(3), 548-66.

94. Zheng, Q., Hong, H. and **Li, Y.** (2020) Building generalized linear models with ultrahigh dimensional features: a sequentially conditional approach. *Biometrics*, 76(1), 47-60. DOI: 10.1111/biom.13122.

95. Pan, L., Li, Y., He, Z. and **Li, Y.** (2020) Generalized linear mixed models with Gaussian mixture random effects: inference and application. *Journal of Multivariate Analysis*, 175, 104555. DOI:10.1016/j.jmva.2019.104555

96. Morris, E., Li, Y., He, Z., **Li, Y.** and Kang, J. (2020) SurvBoost: An R package for high-dimensional variable selection in the stratified proportional hazards model via gradient boosting. *The R Journal*, 12, 105-17.

97. Hong, H. and **Li, Y.** (2020) Estimation of time-varying reproduction numbers underlying epidemiological processes: a new statistical tool for the COVID-19 pandemic. *PLOS ONE*, 15(7):e0236464.

98. Zhong, Q., Lin, H. and **Li, Y.** (2021) Cluster non-Gaussian functional data. *Biometrics*, 77(3), 852-65. https://DOI.org/10.1111/biom.13349.

99. Pijyan, A., Zheng, Q., Hong, H. and **Li, Y.** (2020) Consistent estimation of generalized linear models with high dimensional predictors via stepwise regression. *Entropy*, 22(9), 965. https://DOI.org/10.3390/e22090965.

100. Lin, H., Liu, J., Li, H., Pan, L. and **Li, Y.** (2022) Efficient estimation and computation in generalized varying coefficient models with unknown link and variance functions for large-scale data. *Stat Sinica*, 32, 847-68.

101. Lin, L., Zhang, R., Huang, H., Zhu, Y., **Li, Y.**, Wei, L., Chen, X., Christiani, D., Wei, Y. and Chen, F. (2021) Mendelian randomization with refined instrumental variables from genetic score improves accuracy and reduces bias. *Frontiers in Genetics*, 12, 618829. doi: 10.3389/fgene.2021.618829. eCollection 202.

102. Fei, Z. and **Li, Y.** (2021) Estimation and inference for high dimensional generalized linear models: a splitting and smoothing approach. *Journal of Machine Learning Research*, 22, 1-32.

103. He, Z., Kang, J., Zhu, J. and **Li, Y.** (2022) Stratified Cox models with time-varying effects for national kidney transplant patients: a new block-wise steepest ascent method. *Biometrics*, 78, 1221-32. https://doi.org/10.1111/biom.13473.

104. Fei, Z., Zheng, Q., Hong, H. and **Li, Y.** (2023) Inference for high dimensional censored quantile regression. *Journal of the American Statistical Association*, 118(542), 898-912. DOI: 10.1080/01621459.2021.1957900

105. Jiang, J., Lin, H., Zhong, Q. and **Li, Y.** (2022) Analysis of multivariate non-Gaussian functional data: a semiparametric latent process approach. *Journal of Multivariate Analysis*, 189, 104888. https://doi.org/10.1016/j.jmva.2021.104888.

106. Xia, L., Nan, B. and **Li, Y.** (2023) De-biased Lasso for generalized linear models with a diverging number of covariates. *Biometrics*, 79(1), 344-357. doi: 10.1111/biom.13587.

107. Jiang, J., Lin, H., Peng, H., Fan, G. and **Li, Y.** (2022) Cluster analysis with regression of non-Gaussian functional data on covariates. *Canadian Journal of Statistics*, 50, 221-40. DOI: 10.1002/cjs.11680.

108. Zhang, E. and **Li, Y.** (2023) High dimensional Gaussian graphical regression models with covariates. *Journal of the American Statistical Association*, 118(543), 2088-2100. https://doi.org/10.1080/01621459.2022.2034632

109. Sun, Y., Kang, J., Brummett, C. and **Li, Y.** (2023) Individualized risk assessment of preoperative opioid use by interpretable neural network regression. *Annals of Applied Statistics*, 17, 434–53.

110. Xia, L., Nan, B. and **Li, Y.** (2023) Statistical inference for Cox proportional hazards models with a diverging number of covariates. *Scandinavian Journal of Statistics*, 50(2), 550-71. https://doi.org/10.1111/sjos.12595.

111. Salerno, S. and **Li, Y.** (2023) High-dimensional survival analysis: methods and applications. *Annual Review of Statistics and Its Application*, 10, 25-49.

112. Yang, Y., Kang, J. and **Li, Y.** A soft-thresholding operator for sparse time-varying effects in survival models. In Zhao, Y. eds. *Precision Medicine: Methods and Applications,* Springer, in press.

113. Zhang, C., Lin, H., Liu, L., Liu, J. and **Li, Y.** (2023) Functional data analysis with covariate-dependent mean and covariance structures. *Biometrics*, 79(3), 2232-45. https://doi.org/10.1111/biom.13744.

114. Chang, X., Li, YH. and **Li, Y.** (2023) Asynchronous and error-prone longitudinal data analysis via functional calibration. *Biometrics*, 79, 3374-87.

115. Xia, L., Nan, B. and **Li, Y.** (2023) De-biased lasso for stratified Cox models with application to the national kidney transplant data. *Annals of Applied Statistics*, 17(4), 3550-69.

116. Liu, W., Lin, H., Liu, L., Ma, Y., Wei, Y. and **Li, Y.** (2023) Supervised structural learning of semiparametric regression on high-dimensional correlated covariates with applications to eQTL studies. *Statistics in Medicine*, 42, 3145-63. https://doi.org/10.1002/sim.9769.

117. Sun, Y., Salerno, S., He, X., Pan, Z., Yang, E., Sujimongkol, C., Song, J., Wang, X., Han, P., Kang, J., Sjoding, M., Jolly, S., Christiani, D., and **Li, Y.** (2023) Use of machine learning to assess the prognostic utility of radiomic features for in-hospital COVID-19 mortality. *Nature Scientific Reports*, 13, 7318. https://www.nature.com/articles/s41598-023-34559-0.

118. Liu, L., Liu, J., **Li, Y.** and Lin, H. (2023) A combined moment equation approach for spatial autoregressive model. *Canadian Journal of Statistics*, in press. DOI: 10.1002/cjs.11784.

119. Yang, Y., Pan, Z., Kang, J., Brummett, C. and **Li, Y.** (2023) Simultaneous selection and inference for varying coefficients with zero regions: a soft-thresholding approach. *Biometrics*, 79(4), 3388-401. http://doi.org/10.1111/biom.13900

120. Song, J., Guha, S. and **Li, Y.** (2024) Bayesian inference for high dimensional Cox models using the Gaussian and Diffused-Gamma prior: evaluation of risk factors associated with mortality among COVID-19 patients admitted to intensive care units. *Stat in Biosciences*, in press. https://doi.org/10.1007/s12561-023-09395-5

121. Rong, Y., Zhao, D., Zheng, X. and **Li, Y.** (2024) Kernel Cox partially linear regression: building predictive models for cancer patients' survival. *Statistics in Medicine*, in press. DOI: 10.1002/sim.9938

122. Sun, Y., Kang, J., Haridas, C., Mayne, N., Potter, A., Yang, C., Christiani, D. and **Li, Y.** (2024) Penalized deep partially linear Cox models with application to CT scans of lung cancer patients. *Biometrics*, in press.

123. Sun, Y., Salerno, S., Pan, Z., Yang, E., Sujimongkol, C., Song, J., Wang, X., Han, P., Zeng, D., Kang, J., Christiani, D., and **Li, Y.** (2024) Assessing the prognostic utility of clinical and radiomic features for COVID-19 patients admitted to ICU: challenges and lessons learned. *Harvard Data Science Review*, 6(1). https://doi.org/10.1162/99608f92.9d86a749

124. Zhao, G., Ma, Y., Lin, H. and **Li, Y.** Evaluation of transplant benefits with the U.S. Scientific Registry of Transplant Recipients by semiparametric regression of mean residual life. *Annals of Applied Statistics*, in press.

125. Guha, S. and **Li, Y.** Causal meta-analysis by integrating multiple observational studies with multivariate outcomes. *Biometrics*, in press.

126. Zhang, E. and **Li, Y.** Multi-task learning for Gaussian graphical regressions with high dimensional covariates. *JCGS*, revised.

Peer-Reviewed Applied Publications

127. Williams, B., **Li, Y.**, Fries, B. and Warren, R. (1997) Predicting patient scores between the FIM and the MDS-development and performance of a FIM-MDS "crosswalk". *Archives of Physical Medicine and Rehabilitation,* 78, 48-54.

128. Martin, K.J., Graner, E., **Li, Y.**, Price, L., Kritzman, B., Fournier, M., Rhei, E. and Pardee, A. (2001) Array analysis of gene expression for the early detection of disseminated breast tumor cells. *Proceedings of the National Academy of Sciences,* 98, 2646-51.

129. Braustein, A., **Li, Y.**, Hirschland, D. and Edington, D. (2001) Internal associations among Health-risk Factors and Risk Prevalence. *American Journal of Health Behavior,* 25, 407-17.

130. Barbeau, E., **Li, Y.**, Sorensen, G., Conlon, K., Youngstrom, R. and Emmons, K. (2001) Coverage of smoking cessation treatment by union health and welfare funds. *American Journal of Public Health,* 91, 1412-15.

131. Colevas, A., Adak, S., Tishler, B., Busse, P. **Li, Y.** and Posner, M. (2001) Hypothyroidism incidence following multi-modality treatment for stage III & IV squamous cell carcinomas of the head and neck. *International Journal of Radiation Oncology, Biology and Physics,* 51, 599-604.

132. Adelstein, D., **Li, Y.**, Adams, G., Wagner, H., Kish, J., Ensley, J., Schuller, D. and Forastiere, A. (2003) A phase III comparison of standard radiation therapy (RT) versus RT plus concurrent cisplatin (DDP) versus split-course RT plus concurrent DDP and 5FU in patients with unresectable squamous cell. *Journal of Clinical Oncology,* 21, 92-8.

133. Argiris, A., **Li, Y.**, Murphy, B. and Forastiere, A. (2004) Outcome of elderly patients with recurrent or metastatic head and neck cancer treated with cisplatin-based chemotherapy. *Journal of Clinical Oncology,* 22, 262-8.

134. Kotz, T., Costello, R., **Li, Y.** and Posner, M. (2004) Swallowing dysfunction after chemoradiation for advanced squamous cell carcinoma of the head and neck. *Head and Neck,* 26, 365-72.

135. Devlin, P., Kazakin, J., Adak, S., **Li, Y.**, Noris, C., Clark, J. R., Posner, M. and Busse, P. (2004) Prospective phase II trial of PFL-induction chemotherapy followed by definitive local treatment for advanced squamous cell carcinoma of the head and neck: 10 year follow-up. *American Journal of Clinical Oncology,* 27, 369-75.

136. Langer, C., **Li, Y.**, Jennings T., DeConti, C., Nair, S., Cohen, R. and Forastiere A. (2004) Phase II evaluation of 96-Hour paclitaxel infusion in advanced (recurrent or metastatic) squamous cell carcinoma of the head and neck (E3395): a trial of the Eastern Cooperative Oncology Group. *Cancer Investigation,* 22, 823-31.

137. Argiris, A., **Li, Y.** and Forastiere, A. (2004) Prognostic factors and long-term survivorship in patients with recurrent or metastatic head and neck cancer: an analysis of two Eastern Cooperative Oncology Group randomized trials. *Cancer,* 101, 2222-9.

138. Gibson, M., **Li, Y.**, Murphy, B., Hussain, M. H., DeConti, R. C., Ensley, J. and Forastiere, A. A. (2005) A randomized phase III evaluation of paclitaxel + cisplatin versus cisplatin + 5-FU in advanced head and neck cancer (E1395): an intergroup trial of the Eastern Cooperative Oncology Group. *Journal of Clinical Oncology,* 23, 3562-7.

139. Ly, N., **Li, Y.**, Sredl, D., Perkins, D., Finn, P., Weiss, S. and Gold, D. (2005) Elevated allergen-induced IL-13 secretion predicts IgE elevation in children ages 2-5 years. *Journal of Clinical Immunology,* 25, 314-20.

140. Gibson, M., **Li, Y.**, Murphy, B., Hussain, M. H., DeConti, R. C., Ensley, J. and Forastiere, A. A. (2005) Palliation in incurable head and neck cancers: Chemotherapy? Reply. *Journal of Clinical Oncology,* 23, 8129-30.

141. Yu, C., Wang, S., Pan, B., Wu, M., Ho, C., Smith, T., **Li, Y.** and Christiani, D. (2005) Residential exposure to petrochemicals and risk of leukemia: using GIS tools to construct individual-level residential exposure estimates. *American Journal of Epidemiology,* 164, 200-7.

142. Gilbert, J., **Li, Y.**, Pinto, H., Jennings, T., Kies, M., Silverman, P. and Forastiere, A. (2006) Phase II trial of Taxol in salivary gland malignancies (E1394): a trial of the Eastern Cooperative Oncology Group. *Head and Neck,* 28, 197-204.

143. Yu, C., Wang, S., Pan, B., Wu, M., Ho, C., Smith, T., **Li, Y.** and Christiani, D. (2005) No association between residential exposure to petrochemicals and brain tumor risk. *Cancer Epidemiology, Biomarkers & Prevention,* 14, 3007-9.

144. Haddad, R.I., Tishler, R., Wirth, L., Norris, C., Goguen, L., Sullivan, C., O'Donnell, L., **Li, Y.** and Posner, M.R. (2006) Rate of complete pathological responses to docetaxel/cisplatin/5-fluorouracil (TPF) induction chemotherapy in patients with

newly diagnosed, locally advanced squamous cell carcinoma of the head and neck (SCCHN). *Archives of Otolaryngology - Head & Neck Surgery*, 132, 678-81.

145. Goguen, L. A., Posner, M. R., Tishler, R. Wirth, L. J., Annino, D. J.MD, Sullivan, C. **Li, Y.** and Haddad, R. (2006) Examining the need for neck dissection in the era of chemoradiation therapy for advanced head and neck cancer. *Archives of Otolaryngology - Head & Neck Surgery,* 132, 526-31.

146. Wong, S., Machtay, M. and **Li, Y.** (2006) Locally recurrent, previously irradiated head and neck cancer: concurrent reirradiation and chemotherapy or chemotherapy alone? *Journal of Clinical Oncology,* 24, 2653-8.

147. Barbeau, E., **Li, Y.**, Calderon, P., Hartman, C., Quinn, M., Markkanen, P., Roelofs, C., Frazier, L. and Levenstein, C. (2006) Results of a union-based smoking cessation intervention for apprentice iron workers. *Cancer Causes & Control,* 17, 53-61.

148. Haddad, R., Crum, C. P., Chen, Z., Krane, J., Burk, R., **Li, Y.** and Posner, M. (2008) HPV 16 transmission between a couple with HPV related head and neck cancer. *Oral Oncology*, 44, 812-5.

149. Caglar, H., Tishler, R., Othus, M., Burke, E., **Li, Y.**, Goguen, L., Wirth, L., Haddad, R., Norris, C., Court, L., Aninno, D., Posner, M. and Allen, A. (2008) Dose to larynx predicts for swallowing complications after intensity-modulated radiotherapy. *International Journal of Radiation Oncology, Biology,* 72, 1110-8.

150. Wirth, L., Krane, J., **Li, Y.**, Othus, M., Moran, A., Dorfman, D., Norris, C., Posner, M. and Bertagnolli, M. (2008) A pilot surrogate endpoint biomarker study of celecoxib in oral premalignant lesions. *Cancer Prevention Research,* 1, 339-48.

151. Liu, C., Hsu, Y., Pan, P., Wu, M., Ho, C., Su, L., Xu, X., **Li, Y.** and Christiani, D. (2008) Maternal and offspring's genetic variants of AKR1C3 and the risk of childhood leukemia. *Carcinogensis,* 29, 984-90.

152. Kuo, Y., Hsu, Y., Wu, M., Pan, Y. Ho, C., **Li, Y.** and Christiani, D. (2009) population-based, case-control study of green tea consumption and leukemia risk in southwestern Taiwan. *Cancer Causes & Control*, 20, 57-65.

153. Jimenez, M., Dietrich, T., Shih, M., **Li, Y.**, and Joshipura, K. (2009) Racial/ethnic variations in the impact of socio-economic factors on tooth loss. *Community Dentistry and Oral Epidemiology*, 37, 267-75.

154. Liu, C., Hsu, Y., Wu, M., Pan, P., Ho, C., Xu, X., **Li, Y.** and Christiani, D. (2009) Cured meat, vegetables, and bean-curd foods in relation to childhood acute leukemia risk: a population based case-control study. *BMC Cancer*, 2009, 9-15.

155. Haddad, R., Stephen, S., Braschayko, P., Tishler, R., Costello, R., Wirth, L., **Li, Y.** and Posner, M. (2009) Randomized phase II study of concomitant chemoradiation using weekly carboplatin/paclitaxel with or without daily subcutaneous amifostine in patients with locally advanced head and neck cancer. *Cancer,* 115, 4514-23.

156. Okechukwu, C., Krieger, N., Sorensen, G., **Li, Y.** and Barbeau, E. (2009) Mass-BUILT: effectiveness of an apprenticeship site based smoking cessation intervention for unionized building trades workers. *Cancer Causes and Control*, 20, 887-94.

157. De Jesus, M., Parast, L., Shelton, R., Kokkinogenis, K., Othus, M., **Li, Y.** and Allen, J. (2009) Actual vs preferred sources of human papillomavirus information among black, white, and hispanic parents. *Arch Pediatr Adolesc Med.*, 163, 1066-7.

158. Tucker-Seeley, R., Subramanian, S., **Li, Y.** and Sorensen, G. (2009) A cross-sectional analysis of the association among perceived neighborhood safety, socioeconomic status, and leisure time physical activity among older adults. *American Journal of Preventive Medicine*, 37, 207-13.

159. Tucker-Seeley, R., Subramanian, S., **Li, Y.** and Sorensen, G. (2009) Financial hardship and mortality among older adults using the 1996-2004 health and retirement study. *Annals of Epidemiology*, 19, 850-7.

160. Okechukwu, C., Krieger, N., Sorensen, G., **Li, Y.** and Barbeau, E. (2010) The association of workplace hazards and smoking in a US multiethnic working class population. *Public Health Reports*, 125, 225-33.

161. Allen, J. Othus, M., Shelton, R., **Li, Y.**, Norman, N., Tom, L. and del Carmen, M. (2010) Parental decision making about the HPV vaccine. *Cancer Epi Biomarkers & Prevention,* 19, 2187-98.

162. Wirth, L., Allen, A., Posner, M., Haddad, R., **Li, Y.**, Clark, J., Busse, P., Chan, A., Goguen, L., Norris, C., Annino, D. and Tishler, R. (2010) Phase I dose-finding study of paclitaxel with panitumumab, carboplatin and intensity-modulated radiotherapy in patients with locally advanced squamous cell cancer of the head and neck. *Annals of Oncology*, 21, 342-7.

163. Allen, J., Othus, M., Mohllajee, A., **Li, Y.**, Berry, D. and Bowen, D. (2010) A randomized trial of a computer-tailored decision aid to improve prostate cancer screening decisions: results from the Take the Wheel Trial. *Cancer Epi Biomarkers & Prevention,* 19, 2172-86.

164. Goguen, L., Chapuy, C., **Li, Y.**, Zhao, D. and Annino, D. (2010) Neck dissection after chemoradiotherapy - timing and complications. *Archives of Otolaryngology - Head & Neck Surgery,* 136, 1071-7.

165. Quintiliani, L., Allen, J., Marino, M. and **Li, Y.** (2010) Multiple health risk behavior clusters among female college students. *Patient Education and Counseling*, 79, 134-7.

166. Allen, J. Othus, M., Mohllajee, A., **Li, Y.**, Berry, D. and Bowen, D. (2011) Do men make informed decisions about prostate cancer screening? Baseline results from the "Take the Wheel" Trial. *Medical Decision Making*, 31, 108-20.

167. Okechukwu, C., Krieger, N., Sorensen, G., **Li, Y.** and Barbeau, E. (2011) Testing hypothesized psychosocial mediators: lessons learned in the MassBUILT study. *Health Education & Behavior*, 38, 404-11.

168. Nelson, C., Sapp, A., Berkman, L., **Li, Y.** and Sorensen, G. (2011) Allocation of household responsibilities influences change in dietary behavior. *Social Science & Medicine*, 73, 1517-24.

169. Chapuy, C., Annino, D., Snavely, A., **Li, Y.**, Tishler, R., Norris, C., Haddad, R. and Goguen, L. (2011) Swallowing function following post chemoradiotherapy neck dissection -review of findings and analysis of contributing factors. *Otolaryngology-Head and Neck Surgery*, 145, 428-34.

170. Tucker-Seeley, R., **Li, Y.**, Sorensen, G. and Subramanian, S.V. (2011) Lifecourse socioeconomic circumstances and multimorbidity among older adults. *BMC Public Health*, 11, 313.

171. Jimenez, M., Hu, F., Marino, M., **Li, Y.** and Joshipura, K. (2012) Prospective associations between measures of adiposity and periodontal disease. *Obesity*, 20, 1718-25.

172. Kleinerman, R., Yu, C., Little, M., **Li, Y.**, Abramson, D., Seddon, J. and Tucker, M. (2012) Variation of second cancer risk by family history of retinoblastoma among long-term survivors. *Journal of Clinical Oncology*, 30, 950-7.

173. Kleinerman, R., Yu, C., Little, M., **Li, Y.**, Abramson, D., Seddon, J. and Tucker, M. (2012) Reply to A Moll, et al. *Journal of Clinical Oncology*, 30, 3028-9.

174. Nelson, C., Sorensen, G., **Li, Y.** and Berkman, L. (2012) Assessing the relationship between work-family conflict and smoking. *American Journal of Public Health*, 102, 1767-72.

175. Jimenez, M., Hu, F., Marino, M., **Li, Y.** and Joshipura, K. (2012) Type 2 diabetes mellitus and 20 year incidence of periodontitis and tooth loss Diabetes. *Research and Clinical Practice,* 98, 494-500.

176. Nardi, V., Sadow, P., Juric, D., Zhao, D., Cosper, A., Bergethon, K., Scialabba, V., Batten, J., Borger, D., Iafrate, J., Heist, R., Lawrence, D., Flaherty, K., Bendell, J., Deschler, D., **Li, Y.**, Wirth, L. and Dias-Santagata, D. (2013) Detection of novel actionable genetic changes in salivary duct carcinoma helps direct patient treatment. *Clinical Cancer Research,* 19, 480-90.

177. Drake, B., Quintiliani, L., Sapp, A., **Li, Y.**, Harley, A., Emmons, K. and Sorensen, G. (2013) Comparing strategies to assess multiple behavior change in behavioral intervention studies. *Translational Behavior Medicine: Practice, Policy and Research,* 3, 114-21.

178. Harley, A., Sapp, A., **Li, Y.**, Marino, M., Quintiliani, L. and Sorensen, G. (2013) Sociodemographic and social contextual predictors of multiple health behavior change: data from the Healthy Directions–Small Business study. *Translational Behavior Medicine: Practice, Policy and Research,* 3, 131-9.

179. Marino, M., **Li, Y.**, Rueschman, M., Winkelman, J., Ellenbogen, J., Solet, J., Dulin, H., Berkman, L. and Buxton, O. (2013) Measuring sleep: accuracy, sensitivity, and specificity of wrist actigraphy compared to polysomnography. *Sleep*, 36, 1747-55.

180. Marino, M., **Li, Y.**, Pencila, M., Dagostino, R., Berkman, L. and Buxton, O. (2014) Quantifying cardiometabolic risk using modifiable non-self-reported risk factors. *American Journal of Preventive Medicine*, 47, 131-40.

181. White, S., Zinsser, D., Paul, M., Levine, G., Shearon, T., Ashby, V., Magee, J., **Li, Y.** and Leichtman, A. (2015) Patient selection and volume in the era surrounding implementation of medicare conditions of participation for transplant programs. *Heath Services Research,* 50, 330-50.

182. Amin, S., Yip, W., Minvielle, S., Broyl, A., **Li, Y.**, Hanlon, B., Swanson, D., Shah, P., Moreau, P., van der Holt, B., van Duin, M., Magrangeas, F., Sonneveld, P., Anderson, K., Li, C., Avet-Loiseau, H. and Munshi, N. (2014) Gene expression profile alone is inadequate in predicting response in multiple myeloma. *Leukemia*, 28, 2229-34.

183. Zhou, J., **Li, Y.**, Tang, Y., Liu, F., Yu, S., Zhang, L., Zeng, X., Zhao, Y. and Fu, P. (2015) Effect of acute kidney injury on intensive care unit mortality and length of stay in patient with severe acute pancreatitis. *Nephrology,* 20, 485-91.

184. Yuan, W., **Li, Y.**, Wang, J., Li, J., Gou, S. and Fu, P. (2015) Endothelin-receptor antagonists for diabetic nephropathy: a meta-analysis. *Nephrology,* 20, 459-66.

185. Kalbfleisch, J., Wolfe, R., Bell, S., Sun, R., Messana, J., Shearon, T., Ashby, V., Padilla, R., Zhang, M., Turenne, M., Pearson, J., Dahlerus, C. and **Li, Y.** (2015) Risk adjustment and the assessment of disparities in dialysis mortality outcomes. *Journal of the American Society of Nephrology,* 26, 2641-5.

186. Saran, R., **Li, Y.**, Robinson, B. et al. (2015) US renal data system 2014 annual data report: epidemiology of kidney disease in the United States. *Am J Kidney Dis.* 66(1 Suppl 1):Svii, S1-305.

187. Saran, R., **Li, Y.**, Robinson, B. et al. (2016) US renal data system 2015 annual data report: epidemiology of kidney disease in the United States. *Am J Kidney Dis.* 67(3) (Suppl 1):S1-434.

188. Zhang, W., Liu, H., Yin, J., Wu, W., Zhu, D., Amos, C., Fang, S., Lee, J., **Li, Y.,** Han, J. and Wei, Q. (2016) Associations of genetic variants in the piRNA/PIWI pathway gene DCPIA with cutaneous melanoma disease-specific survival. *International Journal of Cancer,* 139, 2730-7.

189. Naik, A., Afshinnia, F., Cibrik, D., Hodgin, J., Wu, F., Zhang, M., Kikuchi, M., Wickman, L., Samaniego, M., Bitzer, M., Wiggins, J., Ojo, A., **Li, Y.** and Wiggins, R. (2016) Quantitative podocyte parameters predict human native kidney and allograft half-lives. *JCI Insight*, 1(7), e86943. DOI:10.1172/jci.insight.86943

190. Feng, Y., Ma, L., Liu, L., Hong, H. G., Zhang, X., Guo, F., Huang, R., Shi, M., **Li, Y.**, Zhang, L. and Fu, P. (2016) Rhabdomyolysis induced AKI via the regulation of endoplasmic reticulum stress and oxidative stress in PTECs. *Royal Society of Chemistry - Advances (RSC Adv.)*, 6, 109639-48.

191. Liu, J., Zeng, X., Hong, H. G., **Li, Y.** and Fu, P. (2017) The association between body mass index and mortality among Asian peritoneal dialysis patients: a meta-analysis. *PLOS ONE*, 12, e0172369.

192. Dharmarajan, S., Bragg-Gresham, J., Morgenstern, H.,Gillespie, B., **Li, Y.**, Powe, N., Tuot, D., Banerjee, T., Burrows, N., Rolka, D., Saydah, S. and Saran, R. (2017) State-level awareness of chronic kidney disease in the United States. *American Journal of Preventive Medicine,* 53, 300-7.

193. Zeng, G., Mai, Z., Xia, S., Wang, Z., Zhang, K., Wang, L., Long, Y., Ma, J., **Li, Y.**, et al. (2017) Prevalence of kidney stones in China: an ultrasonography based cross-sectional study. *BJU International*, 120, 109-16.

194. Liu, S., Wang, Y., Xue, W., Liu, H., Xu, Y., Shi, Q., Wu, W., Zhu, D., Amos, C., Fang, S., Lee, J., Hyslop, T., **Li, Y.**, Han, J. and Wei, Q. (2017) Genetic variants in the genes encoding Rho GTPases and related regulators predict cutaneous melanoma-specific survival. *International Journal of Cancer*, 141, 721-30.

195. Chen, X., Kim, S., Zeng, X., Fei, S., Cui, T., **Li, Y.** and Fu, P. (2017) Account for clinical heterogeneity in assessment of catheter-based renal denervation among resistant hypertension patients: subgroup meta-analysis. *Chin Med J*, 130, 1586-94.

196. Liao, Y., Huang, R., Lai, W., Liu, F., Ma, L., Xie, Y., Salerno, S., **Li, Y.** and Fu, P. (2017) Effects of Cyclosporine A on the Development of Metanephros in Pregnant BALB/c Mice. *Chin Med J,* 130(18), 2156-62.

197. Bhatia, A., Lee, J., Pinto, H., Jacobs, C., Limburg, P., Rubin, P., Arusell, R., Dunphy, E., Khandekar, J., Reiner, S., Baez-Diaz, L., Celano, P., Li, S., **Li, Y.**, Burtness, B., Adams, G., and Pandya, K. (2017) Double blind phase III trial of effects of low dose 13-cisretinoic acid on prevention of second primaries in stages I-II head and neck cancer: a trial of the ECOG-ACRIN Cancer Research Group (C0590). *Cancer*, 123, 4653-62.

198. Li, H., Wang, Y., Xue, W., Liu, H., Xu, Y., Shi, Q., Wu, W., Zhu, D., Amos, C., Fang, S., Lee, J., Hyslop, T., **Li, Y.**, Han, J. and Wei, Q. (2017) Genetic variants of PDGF signaling pathway genes predict cutaneous melanoma survival. *Oncotarget,* 8, 74595-606.

199. Zeng, X., Liu, J., Tao, S., Hong, H. G., **Li, Y.** and Fu, P. (2018) Associations of socioeconomic status with incidence and progression of chronic kidney disease: a meta-analysis. *Journal of Epidemiology & Community Health*, 72, 270-9.

200. Wang, J., Wang, F., Saran, R., He, Z., Zhao, M., **Li, Y.**, Zhang, L. and Bragg-Gresham, J. (2018) Mortality risk of chronic kidney disease: a comparison between the adult populations in urban China and the United States. *PLOS ONE*, 13(3), e019373.

201. Yang, H., Chen, F., Jiao, H., Yu, Y., Luo, H., Hong, H. G., **Li, Y.**, Fu, P. and Cui, T. (2018) Management of tunneled-cuffed catheter-related right atrial thrombosis in hemodialysis patients. *Journal of Vascular Surgery*, 68, 1491-98.

202. Wang, F., He, K., Wang, J., Zhao, M., **Li, Y.**, Zhang, L., Saran, R. and Bragg-Gresham, J. (2018) Prevalence and risk factors for CKD: a comparison between the adult populations in China and the United States. *Kidney international reports*, 3(5), 1135-43.

203. Shu, Y., Liu, J., Zeng, X., Hong, H. G., **Li, Y.**, Zhong, H., Ma, L. and Fu, P. (2018) The effect of overhydration on mortality and technique failure among peritoneal dialysis patients: a systematic review and meta-analysis. *Blood Purification,* 46, 350-58.

204. Li, L., Tang, X., Kim, S., Zhang, Y., **Li, Y.** and Fu, P. (2018) Effect of nocturnal hemodialysis on sleep quality in patients with end-stage renal disease: A systematic review and Meta-analysis. *PLOS ONE*, 13(9), e0203710.

205. Feng, Y., Huang, R., Kavanagh, J., Li, L., Zeng, X., **Li, Y.** and Fu, P. (2019) Efficacy and safety of dual blockade of the renin-angiotensin-aldosterone system in diabetic kidney disease: a meta-analysis. *American Journal of Cardiovascular Drugs*, 9(3), 259-86. DOI: 10.1007/s40256-018-00321-5.

206. Mai, H., Zhao, Y., Salerno, S., **Li, Y.**, Feng, Y., Ma, L. and Fu, P. (2019) Citrate versus heparin lock for prevention of hemodialysis catheter-related complications: updated systematic review and meta-analysis of randomized controlled trials. *International Urology and Nephrology,* 51(6), 1019-33.

207. Li, L., Hu, Y., Ai, S., Cheng, L., Liu, J., Morris, E., **Li, Y.** and Fu, P. (2019) The relationship between thyroid dysfunction and nephrotic syndrome: a clinicopathological study. *Scientific Reports*, 9, 6421.

208. Kim, S., Wu, F., Dahlerus, C., Chyn, D., **Li, Y.** and Messana, J. (2019) Comparative effectiveness analysis of Medicare dialysis facility survey processes. *PLOS ONE*, 14(4), e0216038.

209. Yuan, Y., Hong, H., Zeng, X., Xu, L., Yang, Y., Shang, Y., **Li, Y.**, Wu, Z., Fu, J., Yao, Y., Xu, X., Wu, Y. and Chen, L. (2019) Lymph node station-based nodal staging system for esophageal squamous cell carcinoma: a large-scale multi-center study. *Annals of Surgical Oncology*, 6(12), 4045-52. https://DOI.org/10.1245/s10434-019-07601-7.

210. Hirth, R., Messana, J., Negrusa, B., Melin, C., **Li, Y.**, Colligan, E. and Marrufo G. (2021) Characteristics of markets and patients served by ESRD Seamless Care Organizations (ESCOs). *Medical Care Research and Review,* 78(3), 273-280. DOI: 10.1177/1077558719859136.

211. Li, L., Shi, M., Salerno, S., Tang, M., Guo, F., Liu, J., Feng, Y., Huang, Q., Ma, L., **Li, Y.** and Fu, P. (2019) Microbial and metabolomic remodeling by a formula of Sichuan dark tea improves hyperlipidemia in apoE-deficient mice. *PLOS ONE*, 14(7), e0219010.

212. Mai, H., Zhao, Y., Salerno, S., **Li, Y.**, Yang, L. and Fu, P. (2019) Rhabdomyolysis induced acute kidney injury in a patient with undifferentiated connective tissue disease: a case report and literature review. *Medicine*, 98(30), e16492.

213. Liu, J., Hutton, D., Gu, Y., Hu, Y., **Li, Y.**, Ma, L., Zeng, X. and Fu, P. (2020) Financial implications of dialysis modalities in the developing world: A Chinese perspective. *Peritoneal Dialysis Imternational*, 40(2), 193–201.

214. Yu, Y., Xiong, Y., Zhang, C., Fu, M., **Li, Y.** and Fu, P. (2020) Vascular access type was not associated with mortality and the predictors for cardiovascular death in elderly Chinese patients on hemodialysis. *Blood Purification*, 49, 63-70.

215. Zeng, X., Li, C., **Li, Y.**, Yu, H., Fu, P., Hong, H. and Zhang, W. (2020) A network-based variable selection approach for identification of modules and biomarker genes associated with end-stage kidney disease. *Nephrology*, 25, 775-84.

216. Yang, L., Yang, L., Zhao, Y., Zhang, L., Yu, Y., Salerno, S., **Li, Y.**, Fu, P. and Cui, T. (2020) The feasibility and safety of sharp recanalization for superior vena cava occlusion in hemodialysis patients: a retrospective cohort study. *Hemodialysis International*, 24(1), 52-60.

217. Xiong, Y., Yu, Y., Zhang, C., **Li, Y.**, Morris, E., Wang, L., Deng, Y. and Fu, P. (2020) The role of echocardiography in prognosis for dysfunction and abandonment of radiocephalic arteriovenous fistula in elderly Chinese patients on hemodialysis. *Seminars in Dialysis*, 33(4), 309-15. DOI: 10.1111/sdi.12871

218. Zhang, R., Chen, C., Dong, X., Shen, S., Lai, L., He, J., You, D., Lin, L., Zhu, Y., Huang, H., Chen, J., Wei, L., Chen, X., **Li, Y.**, Guo, Y., Duan, W ., Liu, L., Su, L., Shafer, A., Fleischer, T., Bjaanæs, M., Karlsson, A., Planck, M., Wang, R., Staaf, J., Helland, A., Esteller, M., Wei, Y., Chen, F. and Christiani, D. (2020) Independent validation of early-stage NSCLC prognostic scores incorporating epigenetic and transcriptional biomarkers with gene-gene interactions and main effects. *Chest*, 158(2), 808-19.

219. Yu, S., Yuan, H., Gou, S., Chen, Yang, H., Salerno, S., **Li, Y.** and Fu, P. (2020) Risk factors for mortality at beginning of maintenance hemodialysis. *Chin Med J.*, 133(7), 868-70. DOI: 10.1097/CM9.0000000000000719

220. Liu, Y., Jin, X., Hong, H.G., Xiang, L., Jiang, Q., Ma, Y., Chen, Z., Cheng, L., Jian, Z., Wei, Z., Ai, J., Qi, S., Sun, Q., Li, H., **Li, Y.** and Wang, K. (2020) The relationship between gut microbiota and short chain fatty acids in the renal calcium oxalate stones disease. *The FASEB Journal*, 34(8), 11200-214.

221. Yang, Y., Tang, X., Yang, Y., Li, X., Li, L., Huang, K., Xu, H., Li, L., **Li, Y.**, Li, J. and Fu, P. (2020) Glomerular C4 deposits and glomerulosclerosis predict worse renal outcomes in Chinese patients with IgA nephropathy. *Renal Failure*, 42(1), 629-37.

222. Xiong, Y., Lin, L., Chen, Y., Salerno, S., **Li, Y.**, Zeng, X. and Li, H. (2020) Prediction of gestational diabetes mellitus in the first 19 weeks of pregnancy using machine learning techniques. *Journal of Maternal-Fetal & Neonatal Medicine*, in press. DOI: 10.1080/14767058.2020.1786517.

223. Ji, X., Lin, L., Shen, S., Dong, X., Chen, C., **Li, Y.**, Zhu, Y., Huang, H., Chen, J., Chen, X., Wei, L., He, J., Duan, W., Su, L., Jiang, Y., Fan, J., Guan, J., You, D., Shafer, A., Fleischer, T., Bjaanæs, M., Karlsson, A., Planck, M., Staaf, J., Helland, A., Esteller, M., Zhang, R., Wei, Y., Chen, F. and Christiani, D. (2020) Epigenetic–smoking interaction reveals histologically heterogeneous effects of DNA methylation of TRIM27 on overall survival among early-stage NSCLC patients. *Molecular Oncology*, 14, 2759-74. https://DOI.org/10.1002/1878-0261.12785.

224. Ma, D., Chen, C., Diao, Y., Yang, K., **Li, Y.**, Salerno, S. and Fu, P. (2020) Efficacy of exercises in improving the quality of life for chronickidney disease patients without dialysis. *Chin Med J*, 133, 1738-40. DOI: 10.1097/CM9.0000000000000941

225. Xiao, X., Hong, H., Zeng, X., Yang, Y., Luan, S., **Li, Y.**, Chen, L. and Yuan, Y. (2020) The efficacy of neoadjuvant versus adjuvant therapy for resectable esophageal cancer patients: a systematic review and meta-analysis. *World Journal of Surgery*, 44, 4161-74. https://DOI.org/10.1007/s00268-020-05721-w

226. Salerno, S., Dahlerus, C., Messana, J., Wisniewski, K., Tong, L., Hirth, R., Affholter, J., Gremel, W., Zhu, J., Roach, J., Andress, J. and **Li, Y.** (2021) Evaluating national trends in outcomes after implementation of a Star Rating system: Results from Dialysis Facility Compare. *Health Service Research*, 56(1), 123-31. DOI: 10.1111/1475-6773.13600

227. Xiong, Y., Yu, Y., Yang, Y., Wang, L., Shi, P., Deng, Y., **Li, Y.** and Fu, P. (2021) Impacts of age, diabetes, gender, and access type on costs associated with vascular access among Chinese patients on hemodialysis. *International Journal of Artificial Organs*, 44(5), 302-9. https://DOI.org/10.1177/0391398820962112.

228. Zhao, Y., Yang, L., Yu, S., Salerno, S., **Li, Y.**, Cui, T., Zhang, L. and Fu, P. (2021) Blood pressure variability and prognosis in hemodialysis patients: a systematic review and meta-analysis. *Kidney Disease*, 7, 411-24. DOI: 10.1159/000511295

229. Wang, F., Ma, D., Salerno, S., Chen, Y., Liu, M., Luo, Y., Diao, Y., Chen, C., Fu, P. and **Li, Y.** (2021) Reproductive concerns and associated factors among female chronic kidney diseases patients: a Multi-Center Cross-Sectional Study. *Nursing Open*, 8(5), 2743-9. DOI: 10.1002/nop2.850

230. Shen, S., Wei, Y., **Li, Y.**, Duan, W., Dong, X., Lin, L., You, D., Tardon, A., Chen, C., Field, J., Hung, R., Liu, G., Zhu, D., Amos, C., Su, L., Zhao, Y., Hu, Y., Shen, H., Zhang, R., Chen, F. and Christiani, D. (2021) A multi-omics study links TNS3 and SEPT7 to long-term former smoking NSCLC survival. *Nature Partner Journals Precision Oncology*, 5, 39.

231. Li, Z., Jiang, W., Salerno, S., **Li, Y.**, Chen, Y., Xu, Z. and Wang, G. (2021) Acute hemodynamic improvement by thermal vasodilation inside the abdominal and iliac arterial segments of young sedentary individuals. *Journal of Vascular Research*, 58, 191-205.

232. Zhang, X., Chen, Y., Salerno, S., **Li, Y.**, Zhou, L., Zeng, X. and Li, H. (2022) Prediction of intrahepatic cholestasis of pregnancy in the first 20 weeks of pregnancy. *Journal of Maternal-Fetal & Neonatal Medicine*, 35(25), 6329-35.

233. Xiang, L., Jin, X., Liu, Y., Ma, Y., Jian, Y., Wei, Z., Li, H., **Li, Y.** and Wang, K. (2022) Prediction of the occurrence of calcium oxalate kidney stones based on clinical and gut microbiota characteristics. *World Journal of Urology*, 40(1), 221-7. https://doi.org/10.1007/s00345-021-03801-7

234. Yuan, Q., Du, M., Loehrer, E., Johnson, B., Gainor, J., Lanuti, M., **Li, Y.** and Christiani, D. (2022) Post-diagnosis BMI change is associated with non-small cell lung cancer survival. *Cancer Epidemiology, Biomarkers & Prevention*, 31, 262-8.

235. Salerno, S., Sun, Y., Morris, E., He, X., Li, Y., Pan, Z., Han, P., Kang, J., Sjoding, M. and **Li, Y.** (2021) Comprehensive evaluation of COVID-19 patient short- and long-term outcomes: racial disparities in healthcare utilization and outcomes. *PLOS ONE*, 16(10), e0258278. https://doi.org/10.1371/journal.pone.0258278.

236. Salerno, S., Messana, J., Gremel, G., Dahlerus, C., Hirth, R., Han, P., Segal, J., Xu, T., Shaffer, D., Jiao, A., Simon, J., Tong, L., Wisniewski, K., Nahra, T., Padilla,

R., Sleeman, K., Shearon, T., Callard, S., Yaldo, A., Borowicz, L., Agbenyikey, W., Horton, G., Roach, J. and **Li, Y.** (2021) Characteristics and mortality outcomes of COVID-infected dialysis patients enrolled in Medicare. *JAMA Network Open*, 4(11), e2135379. doi:10.1001/jamanetworkopen.2021.35379.

237. Li, H., Li, Z., Chen, Y., Zeng, X., Stephen, S., **Li, Y.**, Dong, L., He, T., Zhang, S., Yang, P., Jiang, W. and Fan, H. (2022) Clinical and hemodynamic insights into the use of internal iliac artery balloon occlusion as a prophylactic technique for treating postpartum hemorrhage. *Journal of Biomechanics*, 129, 110827. https://doi.org/10.1016/j.jbiomech.2021.110827

238. Li, X., Zhou, X., Ma, D., Salerno, S., Qi, M., Diao, M., Chen, C., Zhong, H., Xiao, S., Wang, Y., Zhang, J., Luo, H., Huang, L., Ou, S., Li, YM., Cheng, X., Xu, H., Ma, Y., **Li, Y.** and Wei, J. (2022) Status and factors related to post-traumatic growth in continuous ambulatory peritoneal dialysis: A multi-centre study. *Nursing Open*, 9, 550-8. DOI: 10.1002/nop2.1096

239. Salerno, S., Gremel, G., Dahlerus, C., Han, P., Affholter, J., Tong, L., Wisniewski, K., **Li, Y.** and Hirth, R. (2022) Understanding the tradeoffs between travel burden and quality of care for in-center hemodialysis patients. *Medical Care*, 60, 240-47.

240. Ji, X., Lin, L., Fan, J., **Li, Y.**, Wei, Y., Shen, S., Su, L., Shafer, A., Bjaana, M., Karlsson, A., Planck, M., Staaf, J., Helland, J., Esteller, M., Zhang, Z., Chen, F. and Christiani, D. (2022) Epigenome-wide three-way interaction study identifies a complex pattern between TRIM27, KIAA0226 and smoking associated with early-stage NSCLC prognosis. *Molecular Oncology*, 16, 717-31.

241. Hirth, R., Nahra, T., Segal, J., Gunden, J., Marrufo, G., Negrusa, B., Boyer, G., Jiao, A., Sleeman, K., Dahlerus, C., Weins, J., Ullman, D., Bacom, K., Strubler, D., Braun, R., Ackerman, A. and **Li, Y.** (2022) Association of the Comprehensive ESRD Care (CEC) Model with Treatment Adherence. *Kidney 360*, 3(6), 1039-1046.

242. Li, C., Hong, H., Ying, Z., Zeng, X. and **Li, Y.** (2022) Comorbid conditions related to readmissions of Chinese older patients. *Chin. Med*, 135(6), 741-3. doi: 10.1097/CM9.0000000000001854

243. Chen, J., Shen, S., **Li, Y.**, Fan, J., Xiong, S., Xu, J., Lin, L., Dong, X., Duan, W., Zhao, Y., Qian, X., Liu, Z., Esteller, M., Chen, F., Wei, Y., Zhang, Z. and Christiani, D. (2022) APOLLO: An Accurate and independently validated Prediction model of Lower-grade gLiomas Overall survival and a comparative study of model performance. *eBioMedicine - the Lancet*, 79, 104007.

244. Zhai, T., **Li, Y.**, Brown, R., Lanuti, M., Gainor, J. and Christiani, D. (2022) Spirometry at diagnosis and overall survival in non-small cell lung cancer patients. *Cancer Medicine*, 11(24), 4796-805. doi: 10.1002/cam4.4808.

245. Shen, S., Wei, Y., Zhang, R., Zhu, Y., **Li, Y.**, Guan, J., Wang, Y., Zhu, M., Xie, J., Xiao, X., Zhu, D., Li, Y., Zhao, Y., Hu, Z., Chen, F., Shen, H., Hung, R., Amos, C. and Christiani, D. (2022) A large-scale genome-wide gene-gene interaction study of Caucasian lung cancer susceptibility in international consortiums and a trans-ethnic validation in Asians. *Journal of Thoracic Oncology*, 17(8), 974-90. doi: 10.1016/j.jtho.2022.04.011.

246. Rodriguez-Alvarez, A., Sun, Y., Byrne, N., **Li, Y.** and Christiani, D. (2022) Sex disparities in lung cancer survival rates based on screeing status. *Lung Cancer*, 171, 115–20.

247. Sun, J., Zhao, Q., Salerno, S., Shen, X., **Li, Y.**, Fu, P. and Cui, T. (2022) The efficacy and safety of blunt impingement followed by a sharp recanalization technique in hemodialysis patients with refractory central vein occlusion: a single-center experience. *Annals of Translational Medicine*, 10(14), 768.

248. Zhang, X., Chen, Y., Salerno, S., **Li, Y.**, Zhou, L., Zeng, X. and Li, H. (2022) Prediction of severe preeclampsia in machine learning. *Medicine in Novel Technology and Devices*, 15, 100158.

249. Chen, J., Song, Y., **Li, Y.**, Wei, Y., Shen, S., Zhao, Y., You, D., Su, L., Bjaanæs, M., Karlsson, A., Planck, M., Staaf, J., Helland, A., Esteller, M., Shen, H., Christiani, D.C., Zhang, R. and Chen, F. (2023) A trans-omics assessment of gene-gene interaction in early stage NSCLC. *Molecular Oncology*, 17(1), 173-87.

250. Wada, N., **Li, Y.**, Hino, T., Gagne, S., Valtchinov, V., Gay, E., Nishino, M., Madore, B., Guttmann, C., Bond, S., Ishigami, K., Hunninghake, G., Levy, B., Kaye, K., Christiani, D. and Hatabu, H. (2022) COVID-19 vaccination reduced pneumonia severity. *EJR Open*, 9, 100456.

251. Zhang, R., **Li, Y.***, Chen, F. and Christiani, D. (2023) Reply to Scott et al: Gene-Gene interaction in ever smokers with lung cancer: Is there confounding by COPD in GWAS? *Journal of Thoracic Oncology*, 18(3), e24-e26. *:joint first author.

252. Pan, Z., Zhang, R., Shen, S., Chen, J., He, J., Fan, J., Jiang, Y., **Li, Y.**, Christiani, D., Chen, F. and Wei, Y. (2023) OWL: an optimized and independently validated machine learning prediction model for lung cancer screening based on the UK BiobBank population. *eBioMedicine - the Lancet*, 88, 104443.

253. Hata, A., Hino, T., **Li, Y.**, Putman, R., Yanagawa, M., Hida, T., Menon, A., Honda, O., Yamada, Y., Nishino, M., Araki, T., Valtchinov, V., Jinzaki, M., Honda, H., Ishigami, K., Johkoh, T., Tomiyama, N., Christiani, MD, D., Lynch, D., Estepar, R., Washko, G., Cho, M., Silverman, E., Hunninghake, G. and Hatabu, H. (2023) Traction bronchiectasis/bronchiolectasis in interstitial lung abnormality: follow-up in the COPDGene. *American Journal of Respiratory and Critical Care Medicine*, 207(10):1395-1398.

254. Hino, T., Nishino, M., Valtchinov, V., Gagne, S., Gay, E., Wada, N., Tseng, S., Madore, B., Guttmann, C., Ishigami, K., **Li, Y.**, Christiani, D., Hunninghake, G., Levy, B., Kaye, K. and Hatabu, H. (2023) Severe COVID-19 pneumonia leads to post-COVID-19 lung abnormalities on follow-up CT scans. *European Journal of Radiology Open*, 10, 100483.

255. Wang, X., Romero-Gutierrez, C., Kotharia, J., Shafer, A., **Li, Y.** and Christiani, D. (2023) Pre-diagnosis smoking cessation and overall survival among non-small cell lung1 cancer (NSCLC) patients: results from a large lung cancer survivor cohort. *JAMA Network Open*, 6(5), e2311966.

256. Song, J., **Li, Y.**, Waljee, J., Gunaseelan, V., Brummett, C., Englesbe, M. and Bicket, M. (2023) What evidence is needed to inform postoperative opioid consumption guidelines? A cohort study of the Michigan Surgical Quality Collaborative. *Regional Anesthesia & Pain Medicine*, in press. DOI:10.1136/rapm-2023-104581

257. Chen, J., Tang, J., Nie, M., **Li, Y.**, Wurfel, M., Meyer, F., Wei, Y., Zhao, Y., Frank, A., Thompson, B., Christiani, D., Chen, F. and Zhang, R.. (2023) WNT9A affects late-onset ARDS and 28-Day survival: evidence from a three-step multi-omics study. *American Journal of Respiratory Cell and Molecular Biology*, 69(2), 220-9. https://doi.org/10.1165/rcmb.2022-0416OC

258. Wang, X., White, E., **Li, Y.**, Alladin, J. and Christiani, D. (2023) Serial laboratory biomarkers predict escalations of inpatient care intensity and mortality among hospitalized COVID-19 patients. *PLOS ONE*, 18(11), e0293842.

259. Wada, N., **Li, Y.**, Gagne, S., Hino, T., Valtchinov, V., Gay, E., Nishino, M., Hammer, M., Madore, B., Guttmann, C., Ishigami, K., Hunninghake, G., Levy, B., Kaye, K., Christiani, D. and Hatabu, H. (2023) Pulmonary embolism in COVID-19 patients among the periods of ancestral strain, and Alpha, Delta, and Omicron variants. *Medicine*, 102(48), e36417.

260. Bicket, M., Chua, K., Lagisetty, P., **Li, Y.**, Waljee, J., Brummett, C. and Nguyen, T. (2024) Prevalence of surgery among individuals in the United States. *Annals of Surgery Open*, in press.

261. Hata, A., Muraguchi, Y., Nakatsugawa, M., Wang, X., Song, J., Wada, N., Hino, T., Aoyagi, K., Kawagishi, M., Negishi, T., Valtchinov, V., Nishino, M., Koga, A., Sugihara, N., Ozaki, M., Hunninghake, G., Tomiyama, N., Schiebler, M., **Li, Y.**, Christiani, D. and Hatabu, H. Automated chest CT three-dimensional quantification of body composition. *Radiology*, in press.

Book

262. Chen, D., Jin, Z., Li, G., **Li, Y.**, Liu, A. and Zhao, Y. (2017) *New Advances in Statistics and Data Science.* New York: Springer (ISBN 978-3-319-69416-0).