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Education

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| Ph.D., Statistics , Texas A&M University, College Station, TX Dissertation: Efficient semiparametric estimators for biological, genetic, and measurement error applications. | 2011 |
| M.Sc., Statistics , University of Western Ontario, London, Ontario, Canada Thesis: Improving the PROMETHEUS model through parameter smoothing. | 2006 |
| M.S., Industrial Engineering and Operations Research , University of California, Berkeley, Berkeley, CA | 2005 |
| B.S., Mathematics , University of California, Irvine, Irvine, CA | 2003 |

Positions and Employment

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| Affiliate , Carolina Center for Population Aging and Health, UNC-Chapel Hill | 2021–Present |
| Associate Professor of Biostatistics (Tenured) , Gillings School of Global Public Health, UNC-Chapel Hill | 2020–Present |
| Adjunct Associate Professor of Statistics , Texas A&M University | 2020–Present |
| Associate Professor of Statistics (Tenured) , Texas A&M University | 2018–2020 |
| Assistant Professor of Biostatistics , Texas A&M School of Public Health | 2013–2018 |
| Research Assistant Professor of Statistics , Texas A&M University | 2011–2012 |
| Visiting Scholar , The University of Sydney, Australia | 2012 |
| Research Assistant , Oak Ridge National Laboratory, Oak Ridge, TN | Summer 2010 |
| Research Assistant , MD Anderson Cancer Center, Houston, TX | Summer 2008 |
| Teaching Assistant , University of Neuchâtel, Neuchâtel, Switzerland | 2006–2008 |
| Teaching Assistant , University of Western Ontario, London, Ontario, Canada | 2005–2006 |
| Research Assistant , RWTH Institute of Operations Research and Logistics, Aachen, Germany | Summer 2004 |
| Research Assistant , University of California, Irvine, Irvine, CA | 2002–2003 |
| Teaching Assistant , University of California, Irvine, Irvine, CA | 2001–2003 |

Leadership Experience

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| Past-Chair , Biometrics Section of the American Statistical Association | 2026 |
| Chair , Biometrics Section of the American Statistical Association | 2025 |
| Chair-Elect , Biometrics Section of the American Statistical Association | 2024 |

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| Chair , Invited Scientific Program, Eastern North American Region of the International Biometric Society | 2025–2026 |
| Co-Chair , Invited Scientific Program, Eastern North American Region of the International Biometric Society | 2024–2025 |
| Chair , Regional Advisory Board, Eastern North American Region of the International Biometric Society | 2021–2023 |
| Co-Chair , Regional Advisory Board, Eastern North American Region of The International Biometric Society | 2020–2021 |
| Chair , Seminar Committee, Department of Biostatistics at UNC-Chapel Hill | 2020–Present |
| Science Advisory Board Member , Huntington’s Disease Society of America | 2020–Present |
| Chair , “Developing the Next Generation of Biostatisticians,” a program funded by the Biometrics Section of the American Statistical Association | 2018–2023 |
| Co-Chair , “Developing the Next Generation of Biostatisticians,” a program funded by the Biometrics Section of the American Statistical Association | 2016–2018 |
| Associate Editor , <i>Australian & New Zealand Journal of Statistics</i> | 2021–2024 |
| Associate Editor , <i>Biostatistics</i> | 2019–2024 |
| Grant Writing Coach , Grant Foundry, SciFoundry, LLC | 2019–2023 |

Honors and Awards

41. **Keynote Speaker**, The Australian Statistical Conference 2025
Biennial Australian Statistical Conference offering the opportunity to engage with leading statisticians and researchers from Australia and around the world.
40. **Roy R. Kuebler Award**, UNC-Chapel Hill 2024
Named in memory of Professor Roy R. Kuebler, a pioneer in biostatistics and dedicated educator, this award provides \$12,000 annually to support career-enhancing activities for assistant and associate professors in the Department of Biostatistics.
39. **Landis Mentoring Award for Outstanding Mentorship Recipient**, National Institute of Neurological Disorders and Stroke at the National Institutes of Health 2024
Annual award for five faculty members excelling in mentorship and training in neuroscience research.
38. **Elected Fellow**, American Statistical Association 2024
Annual award for the top 0.33% of American Statistical Association members, honoring outstanding contributions to statistical science.
37. **Gertrude M. Cox Award Recipient**, Washington Statistical Society and Research Triangle Institute 2024
Annual award for one early to mid-career statistician who has made significant contributions to applied statistics.

36. **Provost Distinguished Leader**, UNC-Chapel Hill 2023–2025
Two-year program for five outstanding mid-career and senior faculty at UNC-Chapel Hill, offering professional development to prepare them for leadership roles by exploring higher education processes, issues, and challenges at the executive level.
35. **Visiting Scholar**, International Visitor Program, The University of Sydney Mathematical Research Institute 2024
Competitive funding for statisticians and mathematicians to engage in meaningful discussions, exchange ideas, and build lasting connections with researchers in Australia.
34. **Lead Workshop Organizer**, “Bridging statistical strategies for censored covariates,” Banff International Research Station 2024
Competitive funding to host a 40-person workshop on emerging areas in statistics and mathematics.
33. **Featured in Carolina Scientific**, UNC-Chapel Hill 2023
A research magazine by UNC-Chapel Hill undergraduates highlighting important and interesting science news and topics.
32. **Delta Omega Honorary Society Member**, UNC-Chapel Hill 2023
Annual award recognizing academic excellence, commitment to public health principles, and outstanding service in public health.
31. **Featured in UNC Research Endeavors**, UNC-Chapel Hill 2023
An online magazine showcasing research and creative work at UNC-Chapel Hill.
30. **Tyson Academic Leader**, UNC-Chapel Hill 2023–2024
One-year program for eight fellows to develop leadership skills, clarify career goals, and build a leadership network on campus and beyond.
29. **Carolina Women’s Leadership Council Faculty Mentoring Award Recipient**, UNC-Chapel Hill 2022
Annual award for three outstanding faculty members who excel in guiding, mentoring, and teaching.
28. **Honorarium Speaker**, Girls Talk Math Workshop 2021
Opportunity to inspire rising 9th-12th grade girls and non-binary students to pursue careers in mathematics and statistics.
27. **Featured in AMSTAT News Hispanic Heritage Month** 2020
The American Statistical Association’s membership magazine.
26. **Sigma Xi Member**, Texas A&M Chapter 2020
One of the oldest and largest international honor societies in science and engineering.
25. **Inaugural Speaker**, Bioinformatics Research & Application Symposium, Texas A&M University 2019
Symposium for exchanging research talks and poster presentations among statisticians, bioinformaticians, and mathematicians.

24. **Plenary Speaker**, 39th International Symposium on Forecasting 2019
Annual international forecasting conference offering the chance to engage with leading forecasting researchers and practitioners worldwide.
23. **Fellow**, Mentoring Institute for Neuroscience Diversity Scholars 2017–2018
Competitive program promoting the advancement of diverse junior faculty in the neurosciences.
22. **Travel Award Recipient**, Southeastern Conference Grant, Texas A&M University* 2016–2017
**Awarded but then unable to be used due to collaborator moving to a non-Southeastern Conference university.*
21. **Travel Award Recipient**, 14th Meeting of New Researchers in Statistics and Probability 2012
All-expenses-paid travel award to attend a workshop fostering interaction and networking among early-career researchers in statistics and probability.
20. **Travel Award Recipient**, Society for Advancement of Chicanos/Hispanics & Native Americans in Science National Conference 2012
A four-day, all-expenses-paid workshop covering multidisciplinary and multicultural fields in science, technology, engineering, and mathematics.
19. **Plenary Speaker**, Louis Stokes Alliances for Minority Participation Symposium, Texas A&M University System 2012
Symposium featuring research talks and professional development for predoctoral students in science, technology, engineering, and mathematics.
18. **Travel Award Recipient**, Roadmap for a Successful Academic Career Workshop, Texas A&M University 2012
A fully-funded, two-and-a-half-day workshop for postdoctoral and early-career scholars dedicated to pursuing academic careers and advancing diversity in higher education.
17. **Gertrude M. Cox Scholarship Recipient**, American Statistical Association Caucus for Women in Statistics 2011
Annual award for two female predoctoral statisticians recognizing outstanding research, service, and leadership.
16. **Phi Kappa Phi Member**, Texas A&M Chapter 2011
Annual award for the top 10% of seniors and graduate students.
15. **Travel Award Recipient**, Emerging Researchers National Conference in Science, Technology, Engineering and Mathematics 2011
A three-day, all-expenses-paid workshop for graduate and postdoctoral researchers.
14. **William S. Connor Award Recipient**, Texas A&M University 2010
Annual award for the most outstanding student, as determined by faculty, among those passing the preliminary exams.

13. **Travel Award Recipient**, Building Future Faculty Program, North Carolina State University 2010
A two-and-a-half-day, all-expenses-paid workshop for doctoral and postdoctoral scholars interested in academic careers and committed to promoting diversity in higher education.
12. **Travel Award Recipient**, Negotiating the Ideal Faculty Position, Rice University 2010
A two-and-a-half-day, all-expenses-paid workshop empowering women and minority faculty to pursue academic careers in STEM.
11. **Honorable Mention**, Ford Foundation Predoctoral Fellowship 2010
Honorable mention for a three-year predoctoral fellowship.
10. **Teaching Assistant of the Year in the Sciences Award Recipient**, University of Western Ontario 2006
Annual award recognizing innovative teaching by Western's top teaching assistants.
9. **Summa Cum Laude Graduate**, School of Physical Sciences, University of California, Irvine 2003
Annual award for the top 1% student in their class.
8. **Mathematics Departmental Service/Undergraduate Service Award Recipient**, University of California, Irvine 2003
Annual award for an outstanding graduating mathematics student with extraordinary research or departmental service.
7. **Outstanding Senior in Mathematics Award Recipient**, University of California, Irvine 2003
Annual award for a top graduating mathematics student demonstrating exceptional academic merit.
6. **Phi Beta Kappa Member**, University of California, Irvine 2003
Annual award for the top 5% of graduating seniors.
5. **Ronald E. McNair Scholar**, University of California, Irvine 2002–2003
A competitive program that prepares students for graduate education in any discipline through research, mentoring, and scholarly activities.
4. **Leadership Scholarship Award Recipient**, University of California, Irvine 2000–2002
Annual award for undergraduates aspiring to be practical leaders in their field.
3. **The National Dean's List Award Recipient**, University of California, Irvine 2000–2003
Bi-annual award for undergraduate students with outstanding semester GPAs.
2. **National Society of Collegiate Scholar**, University of California, Irvine 2001
Annual award for high-achieving first- and second-year college students.

1. National Hispanic Scholar

2000

Annual award recognizing outstanding Latino or Hispanic students based on GPA, AP scores, and PSAT results.

Professional Memberships

American Statistical Association

UNC Center for Environmental Health and Susceptibility

Eastern North American Region of the International Biometric Society

Huntington Study Group

Institute of Mathematical Statistics

National Society of Collegiate Scholars

Phi Beta Kappa

Phi Kappa Phi

Society for Neuroscience

Research Interests

Neurodegenerative Diseases, Nonparametric Models, Prediction Models, Semiparametric Models, Survival Analysis Longitudinal Data Analysis, High-Dimensional Variable Selection

Peer-Reviewed Publications

Underline denotes co-author was a trainee.

Under Review

53. Lee, S.*, Richardson, B.D.* (*shared first authorship), Ma, Y., Marder, K., and **Garcia, T.P.** Robust and efficient estimation in the presence of a randomly right-censored covariate.
52. Vazquez, J.E., Ashner, M.C., Ma, Y., Marder, K., and **Garcia, T.P.** Establishing the parallels and difference between right-censored covariates and missing covariates: Lessons from Huntington disease.
51. Delahanty, M.T., Schieve, L., Engel, S., Fallin, D., **Garcia, T.P.**, Ladd-Acosta, C., Steiner, A., Wood, M., Daniels, J. Fertility treatment, female-factor infertility, and autism spectrum disorder in the study to explore early development.
50. Delahanty, M.T., Schieve, L., Engel, S., Fallin, D., **Garcia, T.P.**, Ladd-Acosta, C., Steiner, A., Wood, M., Daniels, J. Periconceptional hormonal contraception use and autism spectrum disorder in the Study to Explore Early Development.
49. Davidson, M.A., Van Mullekom, J.H., Baker, J., Burke, S., Enders, F.T., **Garcia, T.P.**, Hanlon, A.L., Lozano, A.J., Lyons, G.R., Mandrekar, S.J., Ortega-Villa, A.M., Percival, S., Pomann, G.M., Ratcliffe, S.J., and Sebro, R. Completing the PROPEL Model: Organizational Solutions and Best Practices to Achieve Historically Marginalized Group Equity in Collaborative Statistics and Data Science Units.

48. Van Mullekom, J.H., Davidson, M.A., Baker, J., Burke, S., Enders, F.T., **Garcia, T.P.**, Hanlon, A.L., Lozano, A.J., Lyons, G.R., Mandrekar, S.J., Ortega-Villa, A.M., Percival, S., Pomann, G.M., Ratcliffe, S.J., and Sebro, R. Forming the Foundations of PROPEL: Challenges and Solutions Relative to Power Bases for Historically Marginalized Group Equity in Collaborative Statistics and Data Science.
47. Dichter, G., Grosser, K.F., Cummings, K., Bradley, C., **Garcia, T.P.**, Tapia, A.L., Pretzel, B., Moody, E.M., Barger, B., Reyes, N.M., Wiggins, L., Fallin, D., Daniels, J.L. Changes in autism traits from early childhood to adolescence in the Study to Explore Early Development.
46. Elfassy, T., Dodds, L., Mesa, R.A., Rundek, T., Sharashidze, V., Paidas, M., Daviglus, M., Kominiarek, M.A., Perreira, K.M., Kobayashi, M.A., Stickel, A., **Garcia, T.P.**, Isasi, C.R., Lipton, R.B., and Kulandavelu, S. Associations between hypertensive disorders of pregnancy and cognitive decline, The Hispanic Community Health Study/Study of Latinos, 2008–2017.

Published/In Press

Methodology Papers

45. Lotspeich, S.C. and **Garcia, T.P.** (2025). Extrapolation before imputation reduces bias when imputing censored covariates. *Journal of Computational and Graphical Statistics*, 1–17, doi: 10.1080/10618600.2024.2444323.
44. Holcomb, D.A., Blackwood, A.D., Clerkind, T., Christensen, A., Guidrye, V.T., Harris, A., Hoffman, K., Kotlarz, N., Lee, A., Noble, R.T., Reckling, S., de los Reyes III, F.L., Serre, M.L., **Garcia, T.P.***, and Engel, L.S.* (*shared senior authorship). (2024). Estimating rates of change to interpret quantitative wastewater surveillance of disease trends. *Science of the Total Environment Journal*, **951**, 175687, doi: 10.1016/j.scitotenv.2024.175687.
43. Loop, M.S., Lotspeich, S.C., **Garcia, T.P.**, and Meyer, M.L. (2024). Should regression calibration or multiple imputation be used when calibrating different devices in a longitudinal study? *American Journal of Epidemiology*, kwae169, doi: 10.1093/aje/kwae169.
42. Lotspeich, S.C., Ashner, M.C., Vazquez, J.E., Richardson, B.D., Grosser, K.F., Bodek, B.E., and **Garcia, T.P.** (2024). Making sense of censored covariates: Statistical methods for studies of Huntington’s disease. *Annual Review of Statistics and Its Applications*, **11**, 255–277, doi: 10.1146/annurev-statistics-040522-095944.
41. Ashner, M.C. and **Garcia, T.P.** (2023). Understanding the implications of a complete case analysis for regression models with a right-censored covariate. *The American Statistician*, **78**, 335–344, doi: 10.1080/00031305.2023.2282629.
40. Kim, R., Pourahmadi, M., and **Garcia, T.P.** (2023). A positive definite thresholding estimator of a covariance matrix and its asymptotic efficiency. *Journal of Multivariate Statistics*, **197**, 105186, doi: 10.1016/j.jmva.2023.105186.
39. Lotspeich, S., Grosser, K.F., and **Garcia, T.P.** (2022). Correcting conditional mean imputation for censored covariates and improving usability. *Biometrical Journal*, **64**, 858–862, doi: 10.1002/bimj.202100250.
38. Parast, L., **Garcia, T.P.**, Carroll, R.J., and Ross, R.L. (2022). Robust methods to correct for measurement error when evaluating a surrogate marker. *Biometrics*, **78**, 9–23, doi: 10.1111/biom.13386.
37. Kim, R., Müller, S., and **Garcia, T.P.** (2021). svReg: Structural varying-coefficient regression to differentiate how regional brain atrophy affects motor impairment for Huntington disease severity groups. *Biometrical Journal*, **63**, 1254–1271, doi: 10.1002/bimj.202000312.

36. Lee, U., Carroll, R.J., Marder, K., Wang, Y., and **Garcia, T.P.** (2021). Estimating disease onset from change points of markers measured with error. *Biostatistics*, **22**, 819-835, doi: 10.1093/biostatistics/kxz068.
35. **Garcia, T.P.** and Parast, L. (2021). Dynamic landmark prediction for mixture models. *Biostatistics*, **22**, 558-574, doi: 10.1093/biostatistics/kxz052.
34. **Garcia, T.P.**, Marder, K. and Wang, Y. (2019). Time-varying proportional odds model for mega-analysis of clustered event times, *Biostatistics*, **20**, 129-146. doi: 10.1093/biostatistics/kxx065.
33. Wei, Y., Ma, Y., **Garcia, T.P.** and Sinha, S. (2019). Consistent estimator for logistic mixed effect models. *The Canadian Journal of Statistics*, **47**, 140-156. doi: 10.1002/cjs.11482.
32. **Garcia, T.P.** and Ma, Y. (2017). Simultaneous treatment of unspecified heteroskedastic model error distribution and mismeasured covariates for restricted moment models. *The Journal of Econometrics*, **200**, 194–206, doi: 10.1016/j.jeconom.2017.06.005.
31. **Garcia, T.P.**, Ma, Y., Marder, K. and Wang, Y. (2017). Robust mixed-effects model for clustered failure time data: application to Huntington’s disease event measures. *Annals of Applied Statistics*, **11**, 1085–1116, doi: 10.1214/17-AOAS1038.
30. **Garcia, T.P.** and Müller, S. (2016). Cox regression with exclusion frequency-based weights to identify neuroimaging markers relevant to Huntington’s disease onset. *Annals of Applied Statistics*, **10**, 2130-2156, doi: 10.1214/16-aos967.
29. Kohli, P., **Garcia, T.P.** and Pourahmadi, M. (2016). Linear models for cholesky factors of covariance matrices of multivariate longitudinal data. *Journal of Multivariate Analysis*, **145**, 87-100, doi: 10.1016/j.jmva.2015.11.014.
28. **Garcia, T.P.** and Ma, Y. (2016). Optimal estimator for logistic model with distribution-free random intercept. *Scandinavian Journal of Statistics*, **43**, 156-171, doi: 10.1111/sjos.12170.
27. Qin, J.*, **Garcia, T.P.*** (*shared first authorship), Ma, Y., Tang, M.X., Marder, K. and Wang, Y. (2014). Combining isotonic regression and EM algorithm to predict genetic risk under monotonicity constraint and unknown genotypes. *Annals of Applied Statistics*, **8**, 1182–1208, doi: 10.1214/14-AOAS730.
26. **Garcia, T.P.** and Müller, S. (2014). Influence of measures of significance-based weights in the weighted Lasso. *Journal of the Indian Society of Agricultural Statistics* (Invited paper), **68**, 131-144.
25. **Garcia, T.P.**, Müller, S., Carroll, R.J., and Walzem, R.L. (2014). Identification of important regressor groups, subgroups, and individuals via regularization methods: application to gut microbiome data. *Bioinformatics*, **15**, 831-837, doi: 10.1093/bioinformatics/btt608.
24. **Garcia, T.P.**, Müller, S., Carroll, R.J., Dunn, T.N., Thomas, A.P., Adams, S.H., Pillai, S.D., and Walzem, R.L. (2013). Structured variable selection with q -values. *Biostatistics*, **14**, 695-707, doi: 10.1093/biostatistics/kxt012.
23. Wang, Y., **Garcia, T.P.**, and Ma, Y. (2012). Nonparametric estimation for censored mixture data with application to the Cooperative Huntington’s Observational Research Trial. *Journal of the American Statistical Association*, **107**, 1324-1338, doi: 10.1080/01621459.2012.
22. **Garcia, T.P.**, Kohli, P., Pourahmadi, M. (2012). Regressograms and mean-covariance models for incomplete longitudinal data. *The American Statistician*, **66**, 85-91, doi: 10.1080/00031305.2012.695935.

21. Ye, F., **Garcia, T.P.**, Pourahmadi, M., and Lord, D. (2012). Extension of a negative binomial GARCH model: analyzing the effects of gasoline price and VMT on DUI fatal crashes in Texas. *Transportation Research Record: Journal of the Transportation Research Board*, **2279**, 31-39, doi: 10.3141/2279-04.
20. **Garcia, T.P.**, Ma, Y., and Yin, G. (2011). Efficiency improvement in a class of survival models through model-free covariate incorporation. *Lifetime Data Analysis*, **17**, 552-565, doi: 10.1007/s10985-011-9195-z.
19. Barber, J., Bose, C., Bourlioux, A., Braun, J., Brunelle, E., **Garcia, T.**, Hillen, T., and Ong, B. (2008). Burning issues with PROMETHEUS, the Canada's wildfire growth simulator. *Canadian Applied Mathematics Quarterly*, **16**, 337-378.
18. **Garcia, T.**, Braun, J., Bryce, R., and Tymstra C. (2008). Smoothing and bootstrapping the PROMETHEUS fire growth model. *Environmetrics*, **19**, 1-13, doi: 10.1002/env.907.

Application Papers

17. Bradley, C., Ashner, M.C., Kepner, M. **Garcia, T.P.**, Grosser, K.F., Hightshoe, K., Moody, E., Reyes, N., Rosenberg, S., Tapia, A., Wiggins, L., and Daniels, J. (2025). Mothers' ideas about causes of autism spectrum disorder (ASD): Differences over time and by household experience with ASD.
16. Sokol, L., Ashner, M.C., Bega, D., Kluger, B., Marder, K., and **Garcia, T.P.** (2025). Spiritual well-being and phenoconversion in Huntington disease: Analysis from PHAROS. *Journal of Palliative Medicine*, in press.
15. Liu, M.M., Wassim, T., Li, L., Dow, W.H., Llibre, J., Gallo, L., Perreira, K.M., Lamar, M., Daviglius, M.L., Testai, F., **Garcia, T.P.**, Isasi, C., Lipton, R., Hector, G., and Stickel, A. (2025). Influence of birthplace and age at migration on cognitive performance and decline among Hispanic/Latino populations in the U.S.: Study of Latinos-Investigation of Neurocognitive Aging (SOL-INCA). *The Gerontologist*, gnaf009, doi: 10.1093/geront/gnaf009.
14. Zhang, Y., Daniels, J., Engel, S., Marshall, S., O'Shea, M., **Garcia, T.P.**, and Schieve, L. (2024). Malpresentation and autism spectrum disorders in the Study to Explore Early Development. *Paediatric and Perinatal Epidemiology*, **38**, 397-407. doi:10.1111/ppe.13082.
13. Lu, Y., Pike, J., Hoogeveen, R., Walker, K.A., Raffield, L., Selvin, E., Avery, C., Engel, S.E., Mielke, M.M., **Garcia, T.P.**, and Palta, P. (2024). Nonalcoholic fatty liver disease and longitudinal change in imaging and plasma biomarkers in Alzheimer's and vascular pathology, *Neurology*, **102**, e209203, doi: 10.1212/WNL.0000000000209203.
12. Senn, M.K., Momin, S.R., Ramesh, G., Allison, M.A., Graff, M., Young, K.L., Goodarzi, M.O., Talvera, G.A., McClain, A.C., Mossavar-Rahmani, Y., **Garcia, T.P.**, and Wood, A.C. (2024). Preliminary evidence that habitual avocado intake is associated with better postprandial, but not fasting, glycemic control in individuals with Type 2 diabetes: Cross-sectional results from the Hispanic Community Health Study / Study of Latinos (HCHS/SOL). *Nutrition, Metabolism and Cardiovascular Diseases*, **33**, 2428-2439, doi: 10.1016/j.numecd.2023.08.002.
11. Lu, Y., Pike, J., Hoogeveen, R., Walker, K.A., Raffield, L., Selvin, E., Avery, C., Engel, S.E., Mielke, M.M., **Garcia, T.P.**, and Palta, P. (2023). Liver integrity over the adult lifespan and the risk of Alzheimer's disease and related dementias. *Alzheimer's & Dementia*, doi: 10.1002/alz.13601.

10. Parada, H. Jr., Pichardo, M., Gallo, L.C., Talavera, G.A., McDaniels-Davidson, C., Penedo, F.J., Lee, D.J., Tarraf, W., **Garcia, T.P.**, Daviglus, M.L., González, H.M. (2023). Neurocognitive test performance following cancer among middle-aged and older adults in the Hispanic Community Health Study/Study of Latinos (HCHS/SOL) and the SOL-Investigation of Neurocognitive Aging Ancillary Study. *Cancer Medicine*, **12**, 11860–11870, doi: 10.1002/cam4.5863.
9. Pichardo, C.M., Pichardo, M.S., Gallo, L.C., Talavera, G.A., Sanchez-Johnsen, L.A.P, Pirzada, A., Chambers, E.C., Roy, A.L., Castañeda, S.F., Durazo-Arvizu, R.A., Ferreira, K.M., **Garcia, T.P.**, Rodriguez, C., Allison, M., Carlson, J. Daviglus, M.L., and Plascak, J.J. (2023). Association of neighborhood segregation with 6-year incidence of metabolic syndrome in the Hispanic Community Health Study/Study of Latinos. *Annals of Epidemiology*, **78**, 1-8, doi: 10.1016/j.annepidem.2022.11.003.
8. Zhang, Y., Elgart, M., Granot-HersHKovitz, E., Wang, H., Tarraf, W., Ramos, A.R., Stickel, A.M., Zeng, D., **Garcia, T.P.**, Testai, F.D., Wassertheil-Smoller, S., Isasi, C.R., Daviglus, M.L., Kaplan, R., Fornage, M., DeCarli, C., Redline, S., González, H.M., and Sofer, T. (2023). Genetic associations between sleep traits and cognitive aging outcomes in the Hispanic Community Health Study/Study of Latinos, *eBioMedicine*, **87**, 104393, doi: 10.1016/j.ebiom.2022.104393.
7. Granot-HersHKovitz, E., He, S., Bressler, J., Yu, B., Boerwinkle, E., Tarraf, W., Rebholz, C.M., Mosley, T., Kristal, B., DeCarli, C., Fornage, M., Chen, G., Qi, Q., Kaplan, R., **Garcia, T.P.**, Gonzalez, H.M., Sofer, T. (2023). Plasma metabolites associated with cognitive function across race/ethnicities affirming the importance of healthy nutrition, *Alzheimer's and Dementia: The Journal of the Alzheimer's Association*, **19**, 1331-1342, doi: 10.1002/alz.12786.
6. Lee, U., **Garcia, T.P.**, Carroll, R.J., Gilbreath, K. and Wu, G. (2019). Analysis of repeated measures data in nutrition research. *Frontiers in Bioscience, Landmark Edition*, **24**, 1378-1390, doi: 10.2741/4785.
5. Shipp, E., Vasudeo, S., Trueblood, A. and **Garcia, T.P.** (2019). Single logging vehicle crashes and variables associated with injury in Louisiana. *Journal of Agromedicine*, **24**, 177-185. doi: 10.1080/1059924X.2019.1567422.
4. **Garcia, T.P.**, Wang, Y., Shoulson, I., Paulsen, J.S., and Marder, K. (2018). Disease progression in Huntington Disease: an analysis of multiple longitudinal outcomes. *Journal of Huntington Disease*, **7**, 337-344. doi: 10.3233/JHD-180297.
3. **Garcia, T.P.** and Marder, K. (2017). Statistical approaches to longitudinal data analysis in neurodegenerative diseases: Huntington's Disease as a model. *Current Neurology and Neuroscience Reports*, **17**:14, doi: 10.1007/s11910-017-0723-4.

Books and Chapters

2. Dutra, J.R.*, **Garcia, T.P.*** (*shared first authorship), Marder, K. (2020). Huntington's Disease. In Oxford Textbook of Neurological and Neuropsychiatric Epidemiology, editors Carol Brayne, Valery Feigin, Lenore Launer, and Giancarlo Logroscino, doi: 10.1093/med/9780198749493.001.0001.

1. **Garcia, T.P.**, Marder, K. and Wang, Y. (2017). Statistical modeling of Huntington disease onset. In Handbook of Clinical Neurology, vol 144: 47-61, 3rd Series, editors Andrew Feigin and Karen E. Anderson. doi: 10.1016/b978-0-12-801893-4.00004-3.

Workshops, Podcasts, Toolkits

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| 15. Campus Wide Mentoring Toolkit Co-Creator , Center for Faculty Excellence, UNC-Chapel Hill | 2025 |
| 14. Workshop Creator & Speaker , The Art of Mentoring, Eastern North American Region of the International Biometric Society Meeting | 2025 |
| 13. Podcast Speaker , Building Up the Nerve, National Institute of Neurological Disorders and Stroke | 2024 |
| 12. Workshop Co-Creator & Speaker , Mentoring in Statistical Writing: Tools for Teaching and Energizing the Statistical Writing of Your Mentees, Eastern North American Region of the International Biometric Society Webinar (WebENAR) | 2024 |
| 11. Workshop Creator & Speaker , Building Your Creativity and Delivering Effective Feedback, Sydney Mathematical Research Institute, University of Sydney | 2024 |
| 10. Workshop Creator & Speaker , Framing Your Idea, Sydney Mathematical Research Institute, University of Sydney | 2024 |
| 9. Workshop Creator & Speaker , How to Engage with ‘Over-Your-Head’ Research, Sydney Mathematical Research Institute, University of Sydney | 2024 |
| 8. Workshop Co-Creator & Speaker , Mentoring in Statistical Writing: Tools for Teaching and Energizing the Statistical Writing of Your Mentees, Eastern North American Region of the International Biometric Society Meeting | 2024 |
| 7. Workshop Lead Organizer , Bridging Statistical Strategies for Censored Covariates, Banff International Research Station | 2024 |
| 6. Workshop Creator & Speaker , How to Engage with ‘Over-Your-Head’ Research Talks, UNC-Chapel Hill | 2021, 2023 |
| 5. Workshop Creator & Speaker , Create Spicy Science, UNC-Chapel Hill | 2021 |
| 4. Workshop Co-Organizer , StatFest, Virtual | 2020 |
| 3. Workshop Co-Organizer , Statistical Significance Workshop, Department of Statistics, Texas A&M University | 2019 |
| 2. Workshop Co-Organizer , Measurement Error and Complex Data Workshop, Department of Statistics, Texas A&M University | 2016 |
| 1. Workshop Co-Organizer , Junior Researchers Workshop, Eastern North American Region of the International Biometric Society Meeting | 2015 |

Teaching

UNC-Chapel Hill, Chapel Hill, NC

- | | |
|--|-----------|
| Instructor, Longitudinal Data Analysis (Spring Semester, 35-40 students) | 2023–2025 |
| Instructor, Probability and Statistical Inference II (Spring Semester, 35-40 students) | 2022 |
| Instructor, Biostatistics Seminars (50-60 students) | 2020–2023 |

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| Texas A&M University , College Station, TX | |
| Instructor, Statistical Methods (Spring Semester, 91-100 students) | 2020 |
| Instructor, Statistical Methods (Spring Semester, 91-100 students) | 2019 |
| Texas A&M Health Science Center , College Station, TX | |
| Instructor, Biostatistics II Online (Spring Semester, 9-32 students) | 2014–2018 |
| Instructor, Biostatistics II In-Person (Spring Semester, 45-52 students) | 2013–2015 |
| Instructor, Statistics II, College of Medicine (one day course, ≈ 50 students) | 2013 |
| University of Neuchâtel , Neuchâtel, Switzerland | |
| Teaching Assistant, Calculus and Linear Models, Course taught in French (≈ 60 students) | Spring 2007, 2008 |
| Teaching Assistant, Linear Models, Graduate Level (≈ 15 students) | Fall 2007 |
| Teaching Assistant, Econometrics (≈ 50 students) | Fall 2006 |
| University of Western Ontario , London, Ontario, Canada | |
| Teaching Assistant, Operations Research (≈ 30 students) | Spring 2006 |
| Teaching Assistant, Applied Probability (≈ 50 students) | Fall 2005 |
| University of California, Irvine , Irvine, CA | |
| Teaching Assistant, Statistics, Summer Bridge (≈ 20 students) | Summer 2002 |
| Tutor, Mathematics, Learning and Academic Resource Center (≈ 8 students) | 09/2001–06/2003 |

Advising and Formal Mentoring

Early Career Mentoring

| | |
|--|--------------|
| Beibo Zhao , Department of Biostatistics, UNC-Chapel Hill | 2024–Present |
| Bryce Rowland , Department of Biostatistics, UNC-Chapel Hill | 2024–Present |
| Ethan Alt , Department of Biostatistics, UNC-Chapel Hill | 2022–2024 |
| Next position: Senior Biostatistician at Glaxo Kline Smith | |
| David Holcomb , Department of Epidemiology, UNC-Chapel Hill | 2022–2024 |
| Next position: Epidemiologist at the Centers for Disease Control and Prevention | |
| Lina Montoya , Department of Biostatistics, UNC-Chapel Hill | 2021–2024 |
| Next position: Assistant Professor at UNC-Chapel Hill | |
| Adaobi Anakwe , Department of Epidemiology, Saint Louis University (Diversity Mentoring Program of the American Statistical Association) | 2020–2021 |
| Next position: Assistant Professor at Drexel University | |
| Irina Bobkova , Department of Mathematics, Texas A&M University (ADVANCE Early Career Faculty Mentor) | 2019–2020 |
| Next position: Assistant Professor at Texas A&M University | |
| Irina Gaynanova , Department of Statistics, Texas A&M University | 2018–2021 |
| Next position: Associate Professor (tenured) at the University of Michigan | |
| Ibraheem Karaye , Department of Epidemiology and Biostatistics, Texas A&M School of Public Health | 2015–2020 |

Next position: Assistant Professor and Director of the Health Science Program at Hofstra University

Postdoctoral Researchers Supervised

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|---|--------------|
| Yuexin Chen , Department of Biostatistics, UNC-Chapel Hill | 2025–Present |
| Sarah Lotspeich , Department of Biostatistics, UNC-Chapel Hill | 2021–2022 |
| Next position: Assistant Professor at Wake Forest University | |
| Unkyung Lee , Department of Statistics, Texas A&M University | 2017–2020 |
| Next position: Postdoctoral researcher at U.S. Food and Drug Administration | |

Doctoral Students Supervised

| | |
|--|--------------|
| Madhuri Raman , Department of Biostatistics, UNC-Chapel Hill | 2024–Present |
| Abigail Foes , Department of Biostatistics, UNC-Chapel Hill | 2023–Present |
| Kyle Grosser , Department of Biostatistics, UNC-Chapel Hill | 2020–Present |
| Jesus Vazquez , Department of Biostatistics, UNC-Chapel Hill | 2023–Present |
| Next position: Postdoctoral researcher at Johns Hopkins University | |
| Emmanuel Rockwell , Department of Biostatistics, UNC-Chapel Hill | 2023–2024 |
| Next position: Ph.D. student at UNC-Chapel Hill (Garcia: rotation) | |
| Brian Richardson , Department of Biostatistics, UNC-Chapel Hill | 2022–2024 |
| Next position: Ph.D. student at UNC-Chapel Hill (Garcia: rotation) | |
| Marissa Ashner , Department of Biostatistics, UNC-Chapel Hill | 2020–2023 |
| Next position: Biostatistician III and Graduate Instructor at BERD (Biostatistics, Epidemiology, and Research Design), Duke University | |
| Peter Guan , Department of Biostatistics, UNC-Chapel Hill | 2021–2022 |
| Next position: Ph.D. student at UNC-Chapel Hill (Garcia: rotation) | |
| Helal M. El-Zaatari , Department of Biostatistics, UNC-Chapel Hill | 2021–2022 |
| Co-Supervised with Michael Kosorok. | |
| Next position: Ph.D. student at UNC-Chapel Hill (Garcia: rotation) | |
| Rakheon Kim , Department of Statistics, Texas A&M University, Co-Supervised with Mohsen Pourahmadi | 2018–2022 |
| Next position: Assistant Professor at Baylor University. | |
| Satwik Acharyya , Department of Statistics, Texas A&M University | Fall 2015 |
| Next position: Ph.D. student at Texas A&M University (Garcia: rotation) | |

Master of Science Students Supervised

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|---|--------------|
| Yajie He , Department of Biostatistics, UNC-Chapel Hill | 2024–2025 |
| Next position: Ph.D. student at University of Waterloo | |
| Dewei Lin , Department of Biostatistics, UNC-Chapel Hill | 2024–Present |
| Benjamin Bodek , Department of Biostatistics, UNC-Chapel Hill | 2022–2024 |
| Next position: Senior Data Analyst at University of Colorado School of Medicine | |

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| Jesus Vazquez , Department of Biostatistics, UNC-Chapel Hill Next position: Ph.D. student at UNC-Chapel Hill | 2021–2023 |
| Alice Yu , Department of Biostatistics, UNC-Chapel Hill Next position: Statistical Analyst at Medpace | Fall 2021 |
| Weixi Zhu , Department of Statistics, Texas A&M University Next position: Ph.D. student at the University of Texas at Austin | 2018–2019 |
| Sage Lane , Department of Epidemiology and Biostatistics, Texas A&M School of Public Health Next position: Statistician at NCI, Inc. | Summer 2014 |

Undergraduate Students Supervised

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|---|--------------|
| Vraj Parikh , Department of Health Policy and Management, UNC-Chapel Hill | 2024–Present |
| Aditya Krishnan , Department of Neuroscience, UNC-Chapel Hill | 2024–Present |
| Sophia Chen Cross , Department of Biostatistics and Department of Mathematics, UNC-Chapel Hill | 2024–Present |
| Stellen Li , Department of Biostatistics and Department of Mathematics, UNC-Chapel Hill Next position: M.S. student at Harvard University | 2024–2025 |
| Taryn Carter , Department of Neuroscience and Department of Biology, UNC-Chapel Hill | 2024–2025 |
| Chen Lin , Visiting Undergraduate Scholar, Department of Statistics, Texas A&M University Next position: Ph.D. student at Yale University | 2019–2020 |
| Timothy Gibson , Department of Statistics, The University of Sydney Next position: Unknown | 2016–2017 |

Service on Doctoral and Master of Science Committees

Doctoral Student Committees

UNC-Chapel Hill

Department of Biostatistics

| | |
|--------------------------------------|-----------|
| Haotian Zou (Chair: Donglin Zeng) | 2022–2023 |
| Richard Sizelove (Chair: Danyu Lin) | 2022–2023 |
| Kushal Shah (Chair: Michael Kosorok) | 2022–2023 |

Department of Epidemiology

| | |
|---|--------------|
| Michelle Delahanty (Chair: Julie Daniels) | 2023–Present |
| Jahnel Jackson (Chair: Jonathan Berg) | 2023–Present |
| Yifei Lu (Chair: Priya Palta) | 2022–2023 |
| Yitian Zhang (Chair: Julie Daniels) | 2021–2022 |

Texas A&M University

Department of Statistics

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|---|-----------|
| Eli Kravitz (Chair: Raymond J. Carroll) | 2019 |
| Shuai Chen (Co-Chairs: Hongwei Zhao and Lan Zhou) | 2015 |
| <u>Department of Epidemiology and Biostatistics</u> | |
| Xiaohuan Zhu (Chair: Hongwei Zhao) | 2019–2021 |
| Shubhangi Vasudeo (Chair: Eva Shipp) | 2017–2022 |

Master of Science Committees

Texas A&M University

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|---|------|
| <u>Department of Statistics</u> | |
| Leo Lazcano | 2019 |
| Vanessa McMahan | 2019 |
| Genti Ndrevataj | 2019 |
| Timothy Parker | 2019 |
| Carroll Patton | 2019 |
| Michelle Perez | 2019 |
| Christopher Phelan | 2019 |
| Weixi Zhu | 2019 |
| <u>Department of Epidemiology and Biostatistics</u> | |
| Karen Fischer | 2016 |
| Timothy Erickson | 2015 |
| John Coppin | 2014 |
| I-Chia Liao | 2014 |

Grants and Fellowships

Active

- | | |
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| 22. Principal Investigator , Johnstone Donation | 06/2025–05/2030 |
| Donation from The Johnstone Family to advance statistical models for Huntington disease. | |
| 21. Principal Investigator , NIH NINDS R01NS131225S | 06/2024–05/2028 |
| Supplement for the Landis Award for Outstanding Mentorship, an annual award from the National Institute of Neurological Disorders and Stroke (NINDS) at the National Institutes of Health (NIH), named in honor of former NINDS Director Dr. Story Landis. | |
| 20. Principal Investigator , NIH NINDS R01NS131225S | 01/2024–12/2025 |
| Diversity supplement for Mr. Jesus Vazquez. | |
| 19. Principal Investigator , NIH NINDS R01NS131225S | 01/2024–12/2024 |
| Diversity supplement for Mr. Kyle Grosser. | |

18. **Principal Investigator**, NIH NINDS R01NS131225 06/2023–05/2028
“Developing a robust and efficient strategy for censored covariates to improve clinical trial design for neurodegenerative diseases.”
17. **Statistics Mentor**, NIH NIEHS T32ES007018 06/2021–05/2026
“Biostatistics for research in environmental health,” PI: Fry.
16. **Co-Investigator**, NIH NIBIB R21EB032059 08/2021–04/2025
“Data-driven modeling and ultrasound-based control of afferent nerve stimulation for tremor suppression,” PI: Sharma.
15. **Co-Investigator**, CDC 1U01DD001293 07/2021–06/2026
“Component A: North Carolina - Advancing developmental research using SEED and SEED follow-up data,” PI: Daniels.
14. **Co-Investigator**, NIH NIA 132323218 PO S9002633 07/2020–03/2025
“Study of Latinos - Investigation of neurocognitive aging 2,” Study of Latinos, Ancillary study - SOL-INCA2, PI: Gonzalez.

Completed

13. **Biostatistician**, North Carolina Department of Health and Human Services (NCDHHS) 06/2022–05/2023
“Expansion in 2022–2023 of NC DHHS/CDC national wastewater surveillance system within the UNC system,” PI: Noble.
12. **Principal Investigator**, CEHS Pilot Project, NIH NIEHS P30ES010126 03/2022–02/2023
“Creating robust disease trajectories to test when environmental factors could alter disease progression.”
11. **Biostatistician**, Contract with Northwestern University 06/2022–12/2022
“Impact of spiritual well-being on Huntington Disease onset,” PI: Sokol.
10. **Principal Investigator**, NIH NINDS, K01NS099343 12/2016–12/2022
“Innovative statistical models for development of first Huntington’s disease progression risk assessment tool.”
9. **Biostatistician**, NIH NCATS UL1 TR002489 07/2020–12/2020
“North Carolina Translational and Clinical Science Institute (NC TraCS) - Biostatistics, Epidemiology, and Research Design (BERD),” PI: Buse.
8. **Statistics Mentor**, NIH NCI T32CA090301 08/2017–09/2020
“Nutrition, biostatistics and bioinformatics training grant,” PI: Carroll.
7. **Co-Investigator**, NIOSH U54 OH007541-16 12/2016–11/2019
“Leveraging motor vehicle crash data for injury surveillance and research in AFF,” PI: Shipp.
6. **Principal Investigator**, Texas A&M School of Public Health Research Enhancement and Development Initiative (REDI) Grant 06/2015–08/2016
“Identifying high-dimensional neuroimaging biomarkers associated with Huntington’s disease motor onset.”

5. **Principal Investigator**, Huntington's Disease Society of America (HDSA) Research Fellowship 11/2013–11/2015
 "Improved definition and prediction of Huntington's disease motor-onset using advanced statistical models."
4. **Principal Investigator**, National Consortium for Graduate Degrees for Minorities in Engineering and Science (GEM) PhD Fellowship 08/2010–08/2011
3. **Principal Investigator**, Philanthropic Educational Organization (P.E.O.) Scholar Award 08/2010–08/2011
2. **Principal Investigator**, National Science Foundation's Texas A&M University System Louis Stokes Alliances for Minority Participation Bridge to the Doctorate Fellowship 08/2008–08/2010
1. **Principal Investigator**, Chancellor's Opportunity Predoctoral Fellowship, University of California, Berkeley 08/2003–06/2005

Research Presentations

Invited Seminar Speaker

110. Department of Biostatistics, University of Minnesota, School of Public Health, Minneapolis, MN 03/2025
109. Department of Biostatistics and Data Science, Wake Forest University School of Medicine, Winston-Salem, NC 09/2024
108. Department of Statistics, North Carolina State University, Raleigh, NC 09/2024
107. Mathematical Sciences Institute, The Australian National University, Canberra, New South Wales, Australia 07/2024
106. Department of Mathematics and Statistics, MacQuarie University, Sydney, New South Wales, Australia 07/2024
105. Sydney Mathematical Research Institute, University of Sydney, Sydney, New South Wales, Australia 06/2024
104. Biostatistics Program, Fred Hutchinson Cancer Center, Seattle, WA 05/2024
103. Department of Statistics, University of California, Irvine, Irvine, CA 05/2024
102. Biostatistics Research Branch, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Rockville, MD 05/2024
101. Biostatistics Division, Albert Einstein College of Medicine, Bronx, NY 02/2024
100. Department of Mathematics, University of California, Irvine, Irvine, CA 01/2024
99. Biostatistics Research Branch, National Institute of Allergy and Infectious Diseases, Rockville, MD 12/2023
98. Biostatistics Research Branch, National Cancer Institute, Rockville, MD 12/2023
97. Department of Biostatistics, Vanderbilt University, Nashville, TN 12/2023
96. Department of Preventive Medicine, Northwestern University, Chicago, IL 10/2023
95. National Agricultural Statistics Service, United States Department of Agriculture, Washington, DC 09/2023
94. Department of Biostatistics, University of Pennsylvania, Philadelphia, PA 04/2023
93. Department of Biostatistics and Bioinformatics, Duke University, Durham, NC 03/2023

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| 92. Department of Biostatistics and Data Science, Wake Forest University, Winston-Salem, NC | 02/2023 |
| 91. Undergraduate Visit Day, Department of Biostatistics, UNC-Chapel Hill, Chapel Hill, NC | 11/2022 |
| 90. Public Health Foundation, UNC-Chapel Hill, Chapel Hill, NC | 10/2022 |
| 89. Sleep and Metabolism Lab, Colorado State University, Fort Collins, CO | 09/2022 |
| 88. Department of Mathematical Sciences, University of Memphis, Memphis, TN | 04/2022 |
| 87. Department of Statistical Sciences, Southern Methodist University, Dallas, TX | 12/2021 |
| 86. Department of Statistics, Penn State University, Centre County, PA | 11/2021 |
| 85. Department of Statistics, Universidade Federal de Pernambuco, Recife, Brazil | 07/2021 |
| 84. Department of Mathematics and Statistics, Connecticut College, New London, CT | 10/2020 |
| 83. Department of Statistics, Rice University, Houston, TX | 10/2020 |
| 82. Department of Biostatistics, University of Pennsylvania, Philadelphia, PA | 02/2020 |
| 81. Department of Biostatistics, UNC-Chapel Hill, Chapel Hill, NC | 09/2019 |
| 80. Department of Statistical Science, Southern Methodist University, Dallas, TX | 10/2018 |
| 79. Department of Statistics, Texas A&M University, College Station, TX | 12/2017 |
| 78. Department of Statistical Science, Baylor University, Waco, TX | 02/2017 |
| 77. Department of Statistics, University of California, Riverside, Riverside, CA | 06/2015 |
| 76. Department of Biostatistics, UNC-Chapel Hill, Chapel Hill, NC | 04/2015 |
| 75. Department of Family Medicine and Public Health, University of California, San Diego, San Diego, CA | 04/2015 |
| 74. Department of Mathematics, Manhattan College, New York, NY | 03/2015 |
| 73. Department of Biostatistics, University of California, Berkeley, Berkeley, CA | 01/2015 |
| 72. Department of Statistics, University of California, Davis, Davis, CA | 01/2015 |
| 71. RAND Statistics Group, RAND Corporation, Santa Monica, CA | 11/2014 |
| 70. Department of Statistics, University of South Carolina, Columbia, SC | 10/2014 |
| 69. Department of Biostatistics, Columbia University, New York, NY | 09/2013 |
| 68. Department of Mathematics and Statistics, Sam Houston State University, Huntsville, TX | 02/2013 |
| 67. Mathematical Sciences Institute, The Australian National University, Canberra, New South Wales, Australia | 11/2012 |
| 66. School of Mathematics and Statistics, The University of Melbourne, Melbourne, Victoria, Australia | 11/2012 |
| 65. School of Mathematics and Statistics, The University of Sydney, Sydney, New South Wales, Australia | 11/2012 |
| 64. Department of Biostatistics and Epidemiology, Texas A&M School of Public Health, College Station, TX | 06/2012 |

Invited Conference, Symposium, Meeting, or Workshop Speaker

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| 63. Western North American Region of the International Biometric Society Meeting, Whistler, British Columbia, Canada | 06/2025 |
| 62. Lifetime Data Science (LiDS) Conference, New York, New York | 05/2025 |
| 61. International Conference of Robust Statistics, Stresa, Italy | 05/2025 |

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| 60. Eastern North American Region of the International Biometric Society Meeting, New Orleans, Louisiana | 03/2025 |
| 59. El Zoominario, University of Wisconsin, Madison, Wisconsin | 02/2025 |
| 58. American Scientist Magazine: "Science by the Slice," Chapel Hill, NC | 01/2025 |
| 57. International Day of Women in Statistics and Data Science, Virtual Conference | 10/2024 |
| 56. Challenges in Neuroimaging Data Analysis, Institute for Mathematical and Statistical Innovation, Chicago, IL | 08/2024 |
| 55. American Statistical Association Washington Society, Washington, DC | 05/2024 |
| 54. Women in Science Conference, Northeastern Illinois University, Chicago, IL | 03/2024 |
| 53. Excellence in Faculty Mentoring Workshop, UNC-Chapel Hill, Chapel Hill, NC | 11/2023 |
| 52. Women in Statistics and Data Science Conference, Bellevue, WA | 10/2023 |
| 51. GRAD-Future Workshop, North Carolina State University, Raleigh, NC | 06/2023 |
| 50. Eastern North American Region of the International Biometric Society Meeting, Nashville, TN | 03/2023 |
| 49. Statistical Challenges in the Identification, Validation, and Use of Surrogate Markers Workshop, Oaxaca, Mexico | 08/2022 |
| 48. Joint Statistical Meetings, Washington, D.C. | 08/2022 |
| 47. Diversity Workshop and Mentoring Program, "Grappling with and Overcoming Isolation," Joint Statistical Meetings, Washington, D.C. | 08/2022 |
| 46. Data Science in Action Workshop, Harvard University, Boston, MA | 07/2022 |
| 45. International Symposium on Nonparametric Statistics, Paphos, Cyprus | 06/2022 |
| 44. GRAD-Future Workshop, NC State University, Raleigh, NC | 05/2022 |
| 43. Eastern North American Region of the International Biometric Society Meeting, Houston, TX | 03/2022 |
| 42. International Conference of the ERCIM WG on Computational and Methodological Statistics, Statistics in Neuroscience, London, England | 12/2021 |
| 41. Girls Talk Math Workshop, Chapel Hill, NC | 07/2021 |
| 40. International Chinese Statistical Association Applied Statistics Symposium, Houston, TX (cancelled due to COVID-19) | 05/2020 |
| 39. Louis Stokes Alliances for Minority Participation Conference, Texas A&M University, College Station, TX | 03/2020 |
| 38. "The next steps after the post-doc: The do's and must do's" Alliance for Graduate Education and the Professoriate Program Conference, Texas A&M University, College Station, TX | 11/2019 |
| 37. Bioinformatics Research & Application Symposium, Texas A&M University, College Station, TX | 10/2019 |
| 36. International Conference on Econometrics and Statistics, Taichung, Taiwan | 06/2019 |
| 35. International Symposium on Forecasting, Thessaloniki, Greece | 06/2019 |
| 34. Eastern North American Region of the International Biometric Society Meeting, Philadelphia, PA | 03/2019 |
| 33. Joint Statistical Meetings, Vancouver, British Columbia, Canada | 08/2018 |
| 32. International Symposium on Nonparametric Statistics, Salerno, Italy | 06/2018 |

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| 31. Institute for Mathematics and its Applications, “Frontiers in Forecasting” Workshop, Minneapolis, MN | 02/2018 |
| 30. Tenth International Conference of the ERCIM WG on Computational and Methodological Statistics, University of London, UK | 12/2017 |
| 29. “Why I Chose the Post-Doc Route,” Alliance for Graduate Education and the Professoriate Program Conference, Texas A&M University, College Station, TX | 11/2017 |
| 28. Joint Statistical Meetings, Baltimore, MD | 08/2017 |
| 27. Huntington’s Disease Society of America Annual Convention, Schaumburg, IL | 06/2017 |
| 26. International Conference on Econometrics and Statistics, Hong Kong University of Science and Technology, Hong Kong | 06/2017 |
| 25. Lifetime Data Science Conference, Storrs, CT | 05/2017 |
| 24. Huntington Study Group Annual Clinical Research Symposium, Nashville, TN | 11/2016 |
| 23. Newest Developments and Urgent Issues in Measurement Error and Latent Variable Problems Workshop, Banff, Alberta, Canada | 08/2016 |
| 22. International Biometrics Conference, Victoria, British Columbia, Canada | 07/2016 |
| 21. Eastern North American Region of the International Biometric Society Meeting, Austin, TX | 03/2016 |
| 20. Joint Statistical Meetings, Seattle, WA | 08/2015 |
| 19. International Symposium on Nonparametric Statistics, Graz, Austria | 07/2015 |
| 18. International Chinese Statistical Association Applied Symposium, Fort Collins, CO | 06/2015 |
| 17. Joint Statistical Meetings, Boston, MA | 08/2014 |
| 16. Australian Statistical Conference/Institute of Mathematical Statistics Annual Meeting, Australian Technology Park Sydney, Australia | 07/2014 |
| 15. International Chinese Statistical Association International Conference, Hong Kong Baptist University, Hong Kong | 12/2013 |
| 14. Joint Statistical Meetings, Montréal, Québec, Canada | 08/2013 |
| 13. Western North American Region of the International Biometric Society Meeting, Los Angeles, CA | 06/2013 |
| 12. International Chinese Statistical Association Applied Symposium, Boston, MA | 06/2012 |
| 11. Statistical Inverse Problems Workshop, College Station, TX | 05/2012 |
| 10. Texas A&M University System Louis Stokes Alliances for Minority Participation Symposium, Corpus Christi, TX | 02/2012 |
| 9. Advice on Graduate School Admittance, Louis Stokes Alliances for Minority Participation Symposium, Texas A&M University, College Station, TX | 02/2009 |

Contributed Presentations

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| 8. Huntington Study Group Annual Clinical Research Symposium, Tampa Bay, FL | 10/2015 |
| 7. Huntington Study Group Annual Clinical Research Symposium, Minneapolis, MN | 11/2014 |
| 6. Western North American Region of the International Biometric Society Meeting, Honolulu, HI | 06/2014 |

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| 5. University of Florida Winter Workshop: Dimension Reduction and High Dimensional Inference, Gainesville, FL | 01/2014 |
| 4. Huntington Study Group Annual Clinical Research Symposium, Charlotte, NC | 11/2013 |
| 3. Eastern North American Region of the International Biometric Society Meeting, Miami, FL | 03/2011 |
| 2. Emerging Researchers National Conference in Science, Technology, Engineering and Mathematics, Washington, DC | 02/2011 |
| 1. The National GEM Consortium Annual Meeting, Vienna, VA | 08/2010 |

Service to the Profession

Professional Organizations

| | |
|--|-----------|
| Judge, DataFest, Eastern North American Region of The International Biometric Society | 2024 |
| Member, International Program Committee, International Biometric Conference 2024 | 2022–2024 |
| Member, Executive Committee, Eastern North American Region of The International Biometric Society | 2021–2023 |
| Member, Eastern North American Region of the International Biometric Society Regional Advisory Board | 2019–2021 |
| Mentor, Joint Statistical Meetings Diversity Mentoring Program | 2020–2021 |
| Panelist, Diversity Workshop at the Eastern North American Region of the International Biometric Society Meeting | 2020 |
| Mentor, International Symposium on Forecasting Early Career Researchers Workshop | 2019 |
| Program Representative, Biometrics Section of the Eastern North American Region of the International Biometric Society | 2017–2018 |
| Judge, Student Paper Competition at the Western North American Region of the International Biometric Society Meeting | 2015 |

Scientific Reviewer for Grants and Awards

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| National Institutes of Health Clinical Neurodegeneration Translational Neuroscience Study Section | 2024 |
| Byar Award, Biometrics Section of the American Statistical Association | 2024 |
| National Institutes of Health Analytics and Statistics for Population Research Panel A Study Section | 2023 |
| Creativity Hubs Pilot Award Program, UNC-Chapel Hill | 2023 |
| Carolina Women's Leadership Council Faculty Mentoring Award, UNC-Chapel Hill | 2023 |
| Vanderbilt Biostatistics Development Awards | 2022 |
| UK Medical Research Council Grants Panel | 2020 |

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| National Institutes of Health Musculoskeletal Rehabilitation Sciences Study Section Panel | 2020 |
| National Science Foundation CAREER Panel | 2019 |
| National Science Foundation Statistics Panel | 2019 |
| Natural Sciences and Engineering Research Council of Canada (NSERC) Mathematics and Statistics Discovery Program | 2018 |
| E-Rare Transnational Research Projects | 2018 |

External Reviewer for Career Advancement

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| Tenure and Promotion Referee, University of Minnesota | 2022 |
| Tenure and Promotion Referee, The University of Sydney | 2019 |
| Tenure and Promotion Referee, Le Moyne College | 2016 |
| Doctoral dissertation of Jinqing Li, Macquarie University, Statistics Department | 2014 |

Scientific Reviewer for Research

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|---|--------------|
| Journal Referee | 2013–Present |
| Annals of Statistics | |
| Australia New Zealand Journal of Statistics | |
| Bioinformatics | |
| Biometrics | |
| BMC Bioinformatics | |
| BMC Medical Research Methodology | |
| The Canadian Journal of Statistics | |
| Computational Statistics and Data Analysis | |
| Hacettepe Journal of Mathematics and Statistics | |
| Journal of the American Statistical Association | |
| Journal of Multivariate Analysis | |
| PLOS One | |
| Science Reports | |
| Statistica Sinica | |
| Statistics | |
| Statistics and Probability Letters | |
| Statistics in Medicine | |
| The American Statistician | |
| The Canadian Journal of Statistics | |
| Transportation Research Part A: Policy and Practice | |

Conference and Symposium Organization

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| Invited Session Organizer, “Charting the course through coarsened data ,” CM- Statistics, Berlin, Germany | 2023 |
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| Invited Session Organizer, “New directions for nonparametric methods in data science,” International Symposium on Nonparametric Statistics, Salerno, Italy | 2018 |
| Invited Session Organizer, “Rich data visualizations for informative health care decisions,” Eastern North American Region of the International Biometric Society Meeting, Atlanta, GA | 2018 |
| Invited Session Organizer, “Dynamic modeling for timely health care decisions,” Joint Statistical Meetings, Baltimore, MD | 2017 |
| Invited Session Organizer, “Innovative Techniques Towards More Precise Modeling,” 61st Brazilian Regional Meeting, Salvador, Brazil* | 2016 |
| *Cancelled due to Zika virus. | |
| Invited Session Organizer, “Innovative Techniques Towards Solving the Complexities of Biomarker Discovery,” Eastern North American of the International Biometric Society Meeting, Austin, TX | 2016 |
| Invited Session Organizer, “Navigating Your Career for Success at the NSF Career Award,” 2015 Society for Advancement of Chicanos/Hispanics & Native Americans in Science National Conference, National Harbor, MD | 2015 |
| Invited Session Organizer, “Recent Advances in Spatial Statistics Techniques and their Applications to Public Health and Biological Sciences,” Western North American Region of the International Biometric Society Meeting, Boise, ID | 2015 |

Service to Universities and Departments

UNC-Chapel Hill

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| Member, Graduate Student Experience Working Group | 2024-2025 |
| Member, Biostatistics Chair Search Advisory Committee | 2023 |
| Grant Reviewer, Gillings School of Global Public Health Study Section | 2023 |
| Member, Selection Committee for the Carolina Women’s Leadership Council Faculty Mentoring Award | 2023 |
| Member, Hispanic Community Health Study / Study of Latinos Diversity Committee | 2022–Present |
| Executive Advisory Board Member, Neuroscience Program | 2021–Present |

UNC-Chapel Hill Biostatistics Department

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| Member, Faculty Search Committee | 2023–2024 |
| Member, Organizing Committee for Department Faculty Retreat | 2023 |
| Member, Doctoral Exam Committee | 2023–Present |
| Member, Search Committee for Executive Events Coordinator | 2022–2023 |
| Member, Master Exam Committee | 2021–2022 |
| Member, Search Committee for the Director of Collaborative Studies Coordinating Center | 2021 |
| Member, Awards Committee | 2020–Present |

Texas A&M University

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| Member, Research Committee, School of Public Health | 2013–2018 |
| Reviewer, Association of Former Students' College-Level Teaching Awards | 2010–2011 |

Texas A&M Statistics Department

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| Member, Faculty Advisory Committee | 2019–2020 |
| Member, Master of Science Admissions | 2018–2020 |
| Member, Undergraduate Admissions Committee | 2018–2019 |

Texas A&M Biostatistics and Epidemiology Department

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| Member, Admissions Committee | 2013–2018 |
| Judge, Student Research Poster Competition at Public Health Week | 2014–2018 |
| Seminar Organizer, Department of Epidemiology and Biostatistics | 2013–2018 |
| Member, Faculty Search Committee | 2014–2015 |

Professional Development

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|---|-----------|
| Wayfinder Life Coach Training Program, Martha Beck Inc | 2024–2025 |
| Leadership Intensive Program, FastTrack Leadership, LLC | 2024 |
| Atlantic Coast Conference Academic Leadership Network | 2024 |
| Heroic Public Speaking, Amy and Michael Port, LLC | 2023 |
| Leadership Development Program, Center for Creative Leadership | 2023 |
| Racial Equity Institute, ThirdSpace Action Lab | 2023 |
| Women ADVANCE Leadership Program, UNC-Chapel Hill | 2022–2023 |
| Grant Foundry Coach Training Program, SciFoundry, LLC | 2021–2022 |
| SciFoundry Leadership, SciFoundry, LLC | 2019–2023 |
| Team Leadership In Research, Stefanie Robel Consulting, LLC | 2020–2022 |
| Research Success Alliance, SciFoundry, LLC | 2018–2022 |
| Grant Foundry, SciFoundry, LLC | 2018–2019 |
| Faculty Success Program, National Center for Faculty Development and Diversity, LLC | 2016–2019 |

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