# Tanya P. Garcia

UNC Chapel Hill Office: McGavran-Greenberg 3104D Department of Biostatistics Email: tpgarcia@email.unc.edu Gillings School of Global Public Health Web: https://tpgarcia.github.io/ Chapel Hill, NC 27516 Education 2011 Ph.D., Statistics, Texas A&M University, College Station, TX Dissertation: Efficient semiparametric estimators for biological, genetic, and measurement error applications. M.Sc., Statistics, University of Western Ontario, London, ON, Canada 2006 Improving the PROMETHEUS model through parameter smoothing. M.S., Industrial Engineering and Operations Research, University of 2005 California, Berkeley, Berkeley, CA B.S., Mathematics, University of California, Irvine, Irvine, CA 2003 Positions and Employment Affiliate of the Carolina Center for Population Aging and Health 2021-Present (CCPAH), The University of North Carolina at Chapel Hill Associate Professor of Biostatistics (Tenured), Gillings School of Global 2020-Present Public Health, The University of North Carolina at Chapel Hill 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 Fully funded (\$7,200 AUS) four-week invitation by Prof. Samuel Müller and Prof. Alan Welsh. Research Assistant, Oak Ridge National Lab, 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, ON, Canada 2005-2006 Research Assistant, RWTH Institute of Operations Research and Logistics, Summer 2004 Aachen, Germany Research Assistant, University of California, Irvine, Irvine, CA 2002-2003 Teaching Assistant, University of California, Irvine, Irvine, CA 2001-2003 Leadership Experience 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

Chair, Invited Scientific Program, Eastern Northern American Region/International Biometric Society	2024-2025
Chair, Regional Advisory Board, Eastern Northern American Region/International Biometric Society	2021-2023
Co-Chair, Regional Advisory Board, Eastern Northern American Region/International Biometric Society	2020-2021
Science Advisory Board Member, Huntington's Disease Society of America	2020-Present
<b>Chair</b> , "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, Australian & New Zealand Journal of Statistics	2021-Present
Associate Editor, Biostatistics	2019-Present
Grant Writing Coach, Grant Foundry, SciFoundry, LLC	2020-2022
Honors and Awards	
32. Provost Distinguished Leader, UNC Chapel Hill	2023-2025
31. Visiting Scholar, International Visitor Program, The University of Sydney Mathematical Research Institute, Sydney, Australia	2024
30. Lead Workshop Organizer, "Bridging statistical strategies for censored covariates," Banff International Research Station, Banff, Alberta, Canada	2024
29. Delta Omega Honorary Society Member, UNC Chapel Hill	2023
28. Featured in UNC Research Endeavors	2023
27. Tyson Academic Leader, UNC Chapel Hill	2023-2024
Eight fellows are selected annual to develop as future academic leaders.	
26. Carolina Women's Leadership Council Faculty Mentoring Award Recipient	2022
This award recognizes outstanding faculty members who go the extra mile to guide, mentor and teach. Awarded to 3 out of 100+ applications.	
25. Featured in AMSTAT News Hispanic Heritage Month	2020
24. Sigma Xi Member, Texas A&M Chapter	2020
<ul> <li>24. Sigma Xi Member, Texas A&amp;M Chapter</li> <li>23. Plenary Speaker, 39th International Symposium on Forecasting, Thessaloniki, Greece</li> </ul>	2020 2019
23. Plenary Speaker, 39th International Symposium on Forecasting,	

	ward Recipient, Southeastern Conference Grant, University*	<b>Texas</b> 2016-2017
	ed but then unable to be used due to collaborator moving Cuniversity.	g to
<b>Statisti</b> Travel a	ward Recipient, 14th Meeting of New Researchers and Probability, University of California, San Diego ward to attend workshop which promotes interaction and among new researchers in statistics and probability.	)
19. Travel A WA	ward Recipient, SACNAS National Conference, S	Seattle, 2012
Career Designed	ward Recipient, Roadmap for a Successful Acad Workshop, Texas A&M University d for internal and external women postdoctoral research stant professors (2 years or less) in STEM fields.	
<b>cipient</b> Awarded	Statistical Association Gertrude M. Cox Award (\$2,000) d to 2 out of 1200 female applicants from throughout the	
	<b>Da Phi Member</b> , Texas A&M Chapter d to top 10% of seniors and graduate students at Texas A	2011 &M
ence in	ward Recipient, Emerging Researchers National Co Science, Technology, Engineering and Mathemati d to 100 applicants.	
Awarded among t	S. Connor Award Recipient, Texas A&M University d to the student whom the faculty deems the most outstand hose students passing the preliminary examinations during 09 academic year.	o .
Universi	d to 12 out of 100 applicants from graduate programs throu	
Rice Un Awarded	ward Recipient, Negotiating the Ideal Faculty Positiversity d to 65 out of 1100 applicants from graduate programment the US.	
11. Honorabl	e Mention, Ford Foundation Predoctoral Fellowsh	i <b>p</b> 2010
10. <b>Teaching</b>	Assistant of the Year in the Sciences Award Recity of Western Ontario	-
of Califor	um Laude Graduate, School of Physical Sciences, Universia, Irvine	ersity 2003
	cics Departmental Service/Undergraduate Ser Recipient, University of California, Irvine	rvice 2003

7. Outstanding Senior in Mathematics Award Recipient, University	2003
of California, Irvine	
6. Phi Beta Kappa Member, University of California, Irvine	2003
Awarded to top 5% of graduating seniors at University of California,	
Irvine.	
5. Ronald E. McNair Scholar, University of California, Irvine	2002-2003
4. Leadership Scholarship Award Recipient, University of California,	2000-2002
Irvine	
3. The National Dean's List Award Recipient, University of California,	2000-2003
Irvine	
2. National Society of Collegiate Scholar, University of California, Irvine	2001
1. National Hispanic Scholar, University of California, Irvine	2000

### Professional Memberships

American Statistical Association

Center for Environmental Health and Susceptibility at UNC Chapel Hill

Eastern North American Region

Huntington Study Group

Institute of Mathematical Statistics

International Biometrics Society

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

<u>Underline</u> denotes co-author was a trainee at the time the paper was developed.

#### Under Review

- 46. Grosser, K.F., Lotspeich, S.C., and Garcia, T.P. Mission Imputable: Correcting for Berkson Error When Imputing a Censored Covariate.
- 45. <u>Lotspeich, S.C.</u> and **Garcia, T.P.** Escaping the trap: Replacing the trapezoidal rule to better impute censored covariates with their conditional means.
- 44. Loop, M.S., <u>Lotspeich, S.C.</u>, **Garcia, T.P.**, and Meyer, M.L. Accounting for changing error-prone devices when estimating the relationship between change in an exposure and an outcome.

- 43. Holcomb, D.A., Blackwood, A.D., Clerkind, T., Christensena, 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). Estimating Rates of Change to Interpret Quantitative Wastewater Surveillance of Disease Trends.
- 42. Dichter, G., Grosser, K., 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.
- 41. Liu, M.M., Wassim, T., Li, L., Dow, W.H., Llibre, J., Gallo, L., Perreira, K.M., Lamar, M., Daviglus, M.L., Testai, F., **Garcia, T.P.**, Isasi, C., Lipton, R., Hector, G., and Stickel, A. 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).
- 40. 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. Nonalcoholic fatty liver disease and longitudinal change in imaging and plasma biomarkers in Alzheimer's and vascular pathology.
- 39. 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. Liver integrity over the adult lifespan and the risk of Alzheimer's disease and related dementias.
- 38. <u>Zhang, Y.</u>, Daniels, J., Engel, S., Marshall, S., O'Shea, M., **Garcia, T.P.**, and Schieve, L. Malpresentation and autism spectrum disorders in the study to explore early development.
- 37. 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

#### Statistical Method Development Papers

- 36. Ashner, M.C. and Garcia, T.P. (2024). Understanding the implications of a complete case analysis for regression models with a right-censored covariate. *The American Statistician*, in press, pp. 1-25.
- 35. 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*, in press, pp. 1-25.
- 34. <u>Kim, R.</u>, Pourahmadi, M., and **Garcia, T.P.** (2023). A positive definite thresholding estimator of a covariance matrix and its asymptotic efficiency. *Journal of Multivariate Statistics*, in press, pp. 1-15.
- 33. <u>Lotspeich, S., Grosser, K.F.</u>, and **Garcia, T.P.** (2022). Correcting conditional mean imputation for censored covariates and improving usability. *Biometrical Journal*, pp. 1-5, doi: 10.1002/bimj.202100250
- 32. <u>Kim, R.</u>, 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.

- 31. Parast, L., Garcia, T.P., Carroll, R.J., and Ross, R.L. (2020). Robust methods to correct for measurement error when evaluating a surrogate marker. *Biometrics*, doi: 10.1111/biom.13386.
- 30. <u>Lee, U.</u>, Carroll, R.J., Marder, K., Wang, Y., and **Garcia, T.P.** (2020). Estimating disease onset from change points of markers measured with error. *Biostatistics*, doi: 10.1093/biostatistics/kxz068.
- 29. **Garcia, T.P.** and Parast, L. (2020). Dynamic landmark prediction for mixture models. *Biostatistics*, doi:10.1093/biostatistics/kxz052.
- 28. **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.
- 27. 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.
- 26. **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.
- 25. 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.
- 24. **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.
- 23. 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.
- 22. Garcia, T.P. and Ma, Y. (2015). Optimal estimator for logistic model with distribution-free random intercept. *Scandinavian Journal of Statistics*, **43**, 156-171.
- 21. 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.
- 20. 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.
- 19. **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*, doi: 10.1093/bioinformatics/btt608.
- 18. **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*, DOI: 10.1093/biostatistics/kxt012.
- 17. 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.
- 16. **Garcia**, **T.P.**, Kohli, P., Pourahmadi, M. (2012). Regressograms and mean-covariance models for incomplete longitudinal data. *The American Statistician*, **66**, 85-91.

- 15. 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.
- 14. **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.
- 13. Barber, J., Bose, C., Bourlioux, A., Braun, J., Brunelle, E., **Garcia, T.**, Hillenk, T., and Ong, B. (2010). Burning issues with PROMETHEUS, the Canada's wildfire growth simulator. *Canadian Applied Mathematics Quarterly*, **16**, 337-378.
- 12. **Garcia, T.**, Braun, J., Bryce, R., and Tymstra C. (2008). Smoothing and bootstrapping the PROMETHEUS fire growth model. *Environmetrics*, **19**, 1-13.

#### **Application Papers**

- 11. 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, in press, pp. 1-15.
- 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.
- 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., Perreira, 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 ageing 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, in press, pp. 1-25, doi:10.1002/alz.12786.
- 6. <u>Lee, U., Garcia, T.P.</u>, Carroll, R.J., Gilbreath, K. and Wu, G. (2019). Analysis of repeated measures data in nutrition research. *Frontiers in Bioscience, Landmark*, **24**, 1378-1390.

- 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. pp. 1-15.
- 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 and Tutorials

Tutorial Co-Organizer & Speaker, "Mentoring in Statistical Writing: Tools for Teaching and Energizing the Statistical Writing of your Mentees," Eastern Northern American Region/International Biometric Society	2024
Lead Workshop Organizer, "Bridging statistical strategies for censored covariates", Banff International Research Station, Banff, Alberta, Canada	2024
Tutorial Organizer & Speaker, "How to Engage with 'Over-Your-Head' Research Talks," University of North Carolina at Chapel Hill, NC	2021, 2023
Workshop Co-Organizer, StatFest 2020, Indianapolis, IN	2020
Workshop Co-Organizer, "Statistical Significance Workshop," Department of Statistics, Texas A&M University	2019
Workshop Co-Organizer, "Measurement Error and Complex Data Workshop," Texas A&M University, College Station, TX	2016
Workshop Co-Organizer, Eastern Northern American Region/International Biometric Society Junior Researchers Workshop, Miami, FL	2015

## **Teaching**

UNC Chapel Hill, Chapel Hill, NC	
Instructor, Longitudinal Data Analysis (Spring Semester, 35-40 students)	2023
Instructor, Probability and Statistical Inference II (Spring Semester, 35-40 students)	2022
Instructor, Biostatistics Seminars (50-60 students)	2020-2023
Texas A&M University, College Station, TX	
Instructor, Statistical Methods (Spring Semester, 91-100 students)	2020

Instructor, Statistical Methods (Spring Semester, 91-100 students)  Texas A&M Health Science Center, College Station, TX	2019
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, $\approx 50$ 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 ( $\approx 15$ students)	Fall 2007
Teaching Assistant, Econometrics ( $\approx 50 \text{ students}$ )	Fall 2006
University of Western Ontario, London, ON, Canada	
Teaching Assistant, Operations Research ( $\approx 30$ students)	Spring 2006
Teaching Assistant*, Applied Probability ( $\approx 50$ students)	Fall 2005
*Awarded Teaching Assistant of the Year in the Sciences	
University of California, Irvine, Irvine, CA	
Teaching Assistant, Statistics, Summer Bridge ( $\approx 20$ students)	Summer 2002
Tutor, Mathematics, Learning and Academic Resource Center ( $\approx 8$ stu-	09/2001-06/2003
dents)	1
Advising and Formal Mentoring  Early Career Mentoring	
	2022-Present 2020 2019-2020
Early Career Mentoring  Ethan Alt, Department of Biostatistics, UNC Chapel Hill  Adaobi Anakwe, Department of Epidemiology, Saint Louis University,  Irina Bobkova, Department of Mathematics, Texas A&M University (AD-	2020
Early Career Mentoring  Ethan Alt, Department of Biostatistics, UNC Chapel Hill  Adaobi Anakwe, Department of Epidemiology, Saint Louis University,  Irina Bobkova, Department of Mathematics, Texas A&M University (AD-VANCE Early Career Faculty Mentor)	2020
Early Career Mentoring  Ethan Alt, Department of Biostatistics, UNC Chapel Hill  Adaobi Anakwe, Department of Epidemiology, Saint Louis University,  Irina Bobkova, Department of Mathematics, Texas A&M University (AD-VANCE Early Career Faculty Mentor)  Postdoctoral Fellows Supervised  Sarah Lotspeich, Department of Biostatistics, UNC Chapel Hill	2020 2019-2020
Ethan Alt, Department of Biostatistics, UNC Chapel Hill Adaobi Anakwe, Department of Epidemiology, Saint Louis University, Irina Bobkova, Department of Mathematics, Texas A&M University (AD-VANCE Early Career Faculty Mentor)  Postdoctoral Fellows Supervised  Sarah Lotspeich, Department of Biostatistics, UNC Chapel Hill Next position: Assistant Professor at Wake Forest University Unkyung Lee, Department of Statistics, Texas A&M University	2020 2019-2020 2021-2022
Ethan Alt, Department of Biostatistics, UNC Chapel Hill Adaobi Anakwe, Department of Epidemiology, Saint Louis University, Irina Bobkova, Department of Mathematics, Texas A&M University (AD-VANCE Early Career Faculty Mentor)  Postdoctoral Fellows Supervised  Sarah Lotspeich, Department of Biostatistics, UNC Chapel Hill Next position: Assistant Professor at Wake Forest University Unkyung Lee, Department of Statistics, Texas A&M University Next position: Postdoctoral Associate at FDA.  Doctoral Students Supervised	2020 2019-2020 2021-2022
Ethan Alt, Department of Biostatistics, UNC Chapel Hill Adaobi Anakwe, Department of Epidemiology, Saint Louis University, Irina Bobkova, Department of Mathematics, Texas A&M University (AD-VANCE Early Career Faculty Mentor)  Postdoctoral Fellows Supervised  Sarah Lotspeich, Department of Biostatistics, UNC Chapel Hill Next position: Assistant Professor at Wake Forest University Unkyung Lee, Department of Statistics, Texas A&M University Next position: Postdoctoral Associate at FDA.	2020 2019-2020 2021-2022 2017-2020
Ethan Alt, Department of Biostatistics, UNC Chapel Hill Adaobi Anakwe, Department of Epidemiology, Saint Louis University, Irina Bobkova, Department of Mathematics, Texas A&M University (AD-VANCE Early Career Faculty Mentor)  Postdoctoral Fellows Supervised  Sarah Lotspeich, Department of Biostatistics, UNC Chapel Hill Next position: Assistant Professor at Wake Forest University Unkyung Lee, Department of Statistics, Texas A&M University Next position: Postdoctoral Associate at FDA.  Doctoral Students Supervised  Jesus Vazquez, Department of Biostatistics, UNC Chapel Hill Abigail Foes, Department of Biostatistics, UNC Chapel Hill	2020 2019-2020 2021-2022 2017-2020 2023-Present
Ethan Alt, Department of Biostatistics, UNC Chapel Hill Adaobi Anakwe, Department of Epidemiology, Saint Louis University, Irina Bobkova, Department of Mathematics, Texas A&M University (AD-VANCE Early Career Faculty Mentor)  Postdoctoral Fellows Supervised  Sarah Lotspeich, Department of Biostatistics, UNC Chapel Hill Next position: Assistant Professor at Wake Forest University Unkyung Lee, Department of Statistics, Texas A&M University Next position: Postdoctoral Associate at FDA.  Doctoral Students Supervised  Jesus Vazquez, Department of Biostatistics, UNC Chapel Hill Abigail Foes, Department of Biostatistics, UNC Chapel Hill Brian Richardson, Department of Biostatistics, UNC Chapel Hill	2020 2019-2020 2021-2022 2017-2020 2023-Present 2023-Present
Ethan Alt, Department of Biostatistics, UNC Chapel Hill Adaobi Anakwe, Department of Epidemiology, Saint Louis University, Irina Bobkova, Department of Mathematics, Texas A&M University (AD-VANCE Early Career Faculty Mentor)  Postdoctoral Fellows Supervised  Sarah Lotspeich, Department of Biostatistics, UNC Chapel Hill Next position: Assistant Professor at Wake Forest University Unkyung Lee, Department of Statistics, Texas A&M University Next position: Postdoctoral Associate at FDA.  Doctoral Students Supervised  Jesus Vazquez, Department of Biostatistics, UNC Chapel Hill Abigail Foes, Department of Biostatistics, UNC Chapel Hill Brian Richardson, Department of Biostatistics, UNC Chapel Hill Kyle Grosser, Department of Biostatistics, UNC Chapel Hill	2020 2019-2020 2021-2022 2017-2020 2023-Present 2023-Present 2022-Present 2020-Present
Ethan Alt, Department of Biostatistics, UNC Chapel Hill Adaobi Anakwe, Department of Epidemiology, Saint Louis University, Irina Bobkova, Department of Mathematics, Texas A&M University (AD-VANCE Early Career Faculty Mentor)  Postdoctoral Fellows Supervised  Sarah Lotspeich, Department of Biostatistics, UNC Chapel Hill Next position: Assistant Professor at Wake Forest University Unkyung Lee, Department of Statistics, Texas A&M University Next position: Postdoctoral Associate at FDA.  Doctoral Students Supervised  Jesus Vazquez, Department of Biostatistics, UNC Chapel Hill Abigail Foes, Department of Biostatistics, UNC Chapel Hill Brian Richardson, Department of Biostatistics, UNC Chapel Hill	2020 2019-2020 2021-2022 2017-2020 2023-Present 2023-Present 2022-Present

Helal M. El Zaatari, Department of Biostatistics, UNC Chapel Hill Co-Supervised with Michael Kosorok.	2021-2022
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
Master of Science Students Supervised	
Benjamin Bodek, Department of Biostatistics, UNC Chapel Hill Jesus Vazquez, Department of Biostatistics, UNC Chapel Hill Alice Yu, Department of Biostatistics, UNC Chapel Hill Weixi Zhu, Department of Statistics, Texas A&M University Sage Lane, Department of Epidemiology and Biostatistics, Texas A&M School of Public Health	2022-Present 2021-2023 Fall 2021 2018-2019 Summer 2014
Undergraduate Students Supervised	
Chen Lin, Visiting Undergraduate Scholar from Fudan University Timothy Gibson, Department of Statistics, The University of Sydney	2019-2020 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	
Yifei Lu (Chair: Priya Palta)	2022-2023
Yitian Zhang (Chair: Julie Daniels)	2021-2022
Texas A&M University	
Department of Statistics	
Eli Kravitz (Chair: Raymond J. Carroll)	2019
Shuai Chen (Chair: Hongwei Zhao and Lan Zhou)	2010
	2015
Department of Epidemiology and Biostatistics	
Department of Epidemiology and Biostatistics  Xiaohuan Zhu (Chair: Hongwei Zhao)	
	2015

# Texas A&M University Department of Statistics

Master of Science Committees

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

# Grants and Fellowships

### Active

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, T32ES007018	06/2021- $05/2026$
"Biostatistics for Research in Environmental Health," PI: Fry.	
16. Co-Investigator, R21EB032059	08/2021-04/2024
"Data-driven Modeling and Ultrasound-based Control of Afferent	
Nerve Stimulation for Tremor Suppression," PI: Sharma.	
15. <b>Co-Investigator</b> , 1U01DD001293	07/2021-06/2026
"Component A: North Carolina - Advancing Developmental Re-	
search using SEED and SEED Follow-up data," PI: Daniels.	
14. Co-Investigator, 132323218 PO S9002633	07/2020- $03/2025$
"Study of Latinos - Investigation of Neurocognitive Aging 2," Study of Latinos, Ancillary study - SOL-INCA2, PI: Gonzalez.	
13. <b>Biostatistician</b> , 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"	
12. Biostatistician, Contract with Northwestern University	06/2022- $12/2022$
"Impact of Spiritual Well-being on Huntington Disease Onset"	

# Completed

11. <b>Principal Investigator</b> , CEHS Pilot Project P30ES010126  "Creating robust disease trajectories to test when environmental factors sould alter disease progression."	03/2022-02/2023
tors could alter disease progression."	10/00/0/0/0/00
10. <b>Principal Investigator</b> , NIH NINDS, K01NS099343, \$557,406 total "Innovative statistical models for development of first Huntington's disease progression risk assessment tool."	12/2016-12/2022
9. Biostatistician, UL1 TR002489	07/2020-12/2020
"North Carolina Translational and Clinical Science Institute (NC TraCS) - Biostatistics, Epidemiology, and Research Design (BERD)," PI: Buse.	, ,
8. <b>Statistics Mentor</b> , T32 DHHS-NIH-National Cancer Institute, 0% effort "Nutrition, Biostatistics and Bioinformatics," PI: Carroll.	08/2017-09/2020
7. <b>Co-Investigator</b> , U54 OH007541-16, Centers for Agricultural Safety and Health, 0% effort	12/2016-11/2019
"Leveraging motor vehicle crash data for injury surveillance and research in AFF," PI: Shipp.	
6. <b>Principal Investigator</b> , Texas A&M School of Public Health Research Enhancement and Development Initiative (REDI) Grant, \$25,000 total "Identifying high-dimensional neuroimaging biomarkers associated with Huntington's disease motor onset."	06/2015-08/2016
5. <b>Principal Investigator</b> , Huntington's Disease Society of America (HDSA) Research Fellowship, \$150,000 total "Improved definition and prediction of Huntington's disease motoronset using advanced statistical models."	11/2013-11/2015
4. <b>Principal Investigator</b> , National Consortium for Graduate Degrees for Minorities in Engineering and Science (GEM) PhD Fellowship, \$30,000 total	2010-2011
3. <b>Principal Investigator</b> , Philanthropic Educational Organization (P.E.O.) Scholar Award, \$15,000 total	2010-2011
2. <b>Principal Investigator</b> , National Science Foundation's Texas A&M University System Louis Stokes Alliance for Minority Participation Bridge to the Doctorate Fellowship, \$94,000 total	2008-2010
1. <b>Principal Investigator</b> , Chancellor's Opportunity Predoctoral Fellowship, University of California, Berkeley, \$67,000 total	2003-2005
Descend Presentations	

# **Research Presentations**

# Invited Seminar Speaker

92. Challenges in Neuroimaging Data Analysis, Institute for Mathematical and	08/2024
Statistical Innovation, Chicago, IL	
91. Department of Biostatistics and Data Science, Wake Forest University School	05/2024
of Medicine, Winston-Salemn, NC	
90. Biostatistics Division, Albert Einstein College of Medicine, Bronx, NY	02/2024

89. Biostatistics Research Branch, National Institute of Allergy and Diseases, Rockville, MD	Infectious 12/2023
88. Biostatistics Research Branch, National Cancer Institute, Rockville,	MD $12/2023$
87. Department of Biostatistics, Vanderbilt University, Nashville, TN	12/2023
86. Department of Preventive Medicine, Northwestern University, Chica	•
85. National Agricultural Statistics Service, United States Department of	· ,
ture, Washington, DC	Ç
84. Department of Biostatistics, University of Pennsylvania, Philadelphi	'
83. Department of Biostatistics and Bioinformatics, Duke University, NC	Durham, 03/2023
82. Department of Biostatistics and Data Science, Wake Forest U Winston-Salem, NC	Iniversity, $02/2023$
81. Winston-Salem State University Visit, University of North Carolina a Hill, Chapel Hill, NC	at Chapel 11/2022
80. Public Health Foundation, University of North Carolina at Chapel Hill, NC	ll, Chapel 10/2022
79. Sleep and Metabolism Lab, Colorado State University, Fort Collins,	CO 09/2022
78. Department of Mathematical Sciences, University of Memphis, Mem	,
77. Department of Statistical Sciences, Southern Methodist University, D	-
76. Department of Statistics, Penn State University, Centre County, PA	•
75. Department of Statistics, Universidade Federal de Pernambuco, Reci	,
74. Department of Mathematics and Statistics, Connecticut College, New CT	•
73. Department of Statistics, Rice University, Houston, TX	10/2020
72. Department of Biostatistics, University of Pennsylvania, Philadelphi	ia, PA 02/2020
71. Department of Biostatistics, University of North Carolina at Cha Chapel Hill, NC	apel Hill, 09/2019
70. Department of Statistical Science, Southern Methodist University, D	eallas, TX 10/2018
69. Department of Statistics, Texas A&M University, College Station, T	•
68. Department of Statistical Science, Baylor University, Waco, TX	02/2017
67. Department of Statistics, University of California, Riverside, Riversi	•
66. Department of Biostatistics, University of North Carolina, Chapel H	•
65. Department of Family Medicine and Public Health, University of C	•
San Diego, San Diego, CA	·
64. Department of Mathematics, Manhattan College, New York, NY	03/2015
63. Department of Biostatistics, University of California, Berkeley, Berk	,
62. Department of Statistics, University of California, Davis, Davis, CA	·
61. RAND Statistics Group, RAND Corporation, Santa Monica, CA	11/2014
60. Department of Statistics, University of South Carolina, Columbia, S	,
59. Department of Biostatistics, Columbia University, New York, NY	09/2013
58. Department of Mathematics and Statistics, Sam Houston State U	•
Huntsville, TX	,
57. Mathematical Sciences Institute, The Australian National Univers berra, New South Whales, Australia	ity, Can- 11/2012
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56. School of Mathematics and Statistics, The University of Melbourne, Melbourne, Victoria, Australia	11/2012
55. School of Mathematics and Statistics, The University of Sydney, Sydney, New South Whales, Australia	11/2012
54. Department of Biostatistics and Epidemiology, Texas A&M School of Public Health, College Station, TX	06/2012
Invited Conference or Symposia Speaker	
53. Excellence in Faculty Mentoring, University of North Carolina at Chapel Hill	11/2023
52. Women in Statistics and Data Science Conference, Bellevue, WA	10/2023
51. GRAD-Future Workshop, NC State University, Raleigh, NC	06/2023
50. Eastern North American Region Annual Meeting, Nashville, TN	03/2023
49. Statistical Challenges in the Identification, Validation, and Use of Surrogate Markers, Oaxaca, Mexico	08/2022
48. Joint Statistical Meeting, Washington, D.C.	08/2022
47. Diversity Workshop and Mentoring Program, "Grappling with and Overcoming Isolation," Joint Statistical Meeting, Washington, D.C.	08/2022
46. Data Science in Action, Harvard University, Boston, MA	07/2022
45. International Symposia for Non-Parametric Statistics Meeting, Paphos, Cyprus	06/2022
44. Eastern North American Region Annual Meeting, Houston, TX	03/2022
43. GRAD-Future Workshop, NC State University, Raleigh, NC	05/2022
42. 14th International Conference of the ERCIM WG on Computational and Methodological Statistics, Statistics in Neuroscience, London, England	12/2021
41. Honorarium Speaker, Girls Talk Math, Chapel Hill, NC	07/2021
40. International Chinese Statistics Association Applied Statistics Symposium, Houston, TX (cancelled due to COVID-19)	05/2020
39. Louis Stokes Alliance for Minority Participation, 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, Texas A&M University, College Station, TX	11/2019
37. <b>Inaugural Speaker</b> , 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. <b>Plenary Speaker</b> , International Symposium on Forecasting, Thessaloniki, Greece	06/2019
34. Eastern North American Region Annual Meeting, Philadelphia, PA	03/2019
33. Joint Statistical Meeting, Vancouver, Canada	08/2018
32. International Symposia for Nonparametric Statistics Meeting, Salerno, Italy	06/2018
31. Institute for Mathematics and its Applications, "Frontiers in Forecasting", Minneapolis, MN	02/2018
30. 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, Texas A&M University, College Station, TX	11/2017
28. Joint Statistical Meeting, Baltimore, MD	08/2017
27. Huntington's Disease Society of America Annual Convention, Schaumberg, 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, Banff, Alberta, Canada	08/2016
22. International Biometrics Conference, Victoria, Canada	07/2016
21. Eastern North American Region Annual Meeting, Austin, TX	03/2016
20. Joint Statistical Meeting, Seattle, WA	08/2015
19. International Symposia for Nonparametric Statistics Meeting, Graz, Austria	07/2015
18. International Chinese Statistical Association Applied Symposium, Fort Collins, CO	06/2015
17. Joint Statistical Meeting, 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 Meeting, Montréal, Québec, Canada	08/2013
13. Western North American Region Annual Meeting, Los Angeles, CA	06/2013
12. International Chinese Statistical Association Applied Symposium, Boston, MA	06/2012
11. <b>Plenary Speaker</b> , Texas A&M University System Louis Stokes Alliance for Minority Participation Symposium, Corpus Christi, TX	02/2012
10. Statistical Inverse Problems Workshop, College Station, TX	05/2012
9. Advice on Graduate School Admittance, Louis Stokes Alliance for Minority Participation Symposium, Texas A&M University, College Station, TX	02/2009
Contributed Presentations	
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 Annual Meeting, Honolulu, HI	06/2014
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 Northern American Region Annual 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	
Member, International Program Committee, International Biometric Conference 2024	2022-2024
Member, Executive Committee, Eastern Northern American Region/International Biometric Society Meeting	2021-2023
Chair, Eastern Northern American Region/International Biometric Society Regional Advisory Board	2021-2023
Co-Chair, Eastern Northern American Region/International Biometric Society Regional Advisory Board	2020-2021
Member, Eastern Northern American Region/International Biometric Society Regional Advisory Board	2019-2021
Mentor, Joint Statistical Meeting Diversity Mentoring Program	2020-2021
Panelist, Diversity Workshop at the Eastern Northern American Region/International Biometric Society Meeting	2020
Mentor, International Symposium on Forecasting Early Career Researchers Workshop	2019
Chair, "Developing the Next Generation of Biostatisticians," a program funded by the Biometrics Section of the American Statistical Association	2018-Present
Co-Chair, "Developing the Next Generation of Biostatisticians," a program funded by the Biometrics Section of the American Statistical Association	2016-2018
Program Representative, Biometrics Section of the Eastern Northern American Region/International Biometric Society Meeting, Atlanta, GA	2017-2018
Judge, Student Paper Competition at the Western Northern American Region/Institute of Mathematical Sciences Meeting, Boise, ID	2015
Scientific Reviewer for Grants and Awards	
National Institutes of Health Analytics and Statistics for Population Research Panel A Study Section	2023
UNC Chapel Hill Creativity Hubs Pilot Award Program	2023
UNC Chapel Hill Carolina Women's Leadership Council Faculty Mentoring Award	2023
Vanderbilt Biostatistics Development Awards	2022
UK Medical Research Council Grants Panel	2020
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

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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, Australia	2014
Cairwiff Davis and Car Davis and	

#### Scientific Reviewer for Research

Associate Editor, Australian & New Zealand Journal of Statistics	2021-Present
Associate Editor, Biostatistics	2019-Present
Journal Referee	2013-Present

Annals of Statistics

Australia New Zealand Journal of Statistics

Bioinformatics

Biometrics

**BMC** Bioninformatics

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 Symposia Organization

Invited Session Organizer, "Charting the course through coarsened data ," CM-Statistics, Berlin, Germany	2023
Invited Session Organizer, "New directions for nonparametric methods in data	2018
science," International Symposia for Non-Parametric Statistics (ISNPS),	
Salerno, Italy	
Invited Session Organizer, "Rich data visualizations for informative health	2018
care decisions," Eastern Northern American Region/International Biometric	
Society (ENAR), Atlanta, GA	
Invited Session Organizer, "Dynamic modeling for timely health care deci-	2017
sions," Joint Statistical Meeting (JSM), Baltimore, MD	

Invited Session Organizer, "Innovative Techniques Towards More Precise Modeling," 61st Brazilian Regional Meeting, Salvador, Brazil*  * Cancelled due to Zika virus.	2016
Invited Session Organizer, "Innovative Techniques Towards Solving the Complexities of Biomarker Discovery," 2016 ENAR, Austin, TX	2016
Invited Session Organizer, "Navigating Your Career for Success at the NSF Career Award," 2015 SACNAS 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 Northern American Region/Institute of Mathematical Sciences, Boise, ID	2015
Service to Institutes	
UNC Chapel Hill	
Member, Biostatistics Chair Search Advisory Committee	2023
Grant Reviewer, Gillings Study Section	2023
Grant Reviewer, Creativity Hubs Pilot Award Program	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 Biostatistics Department	
Member, Search Committee for tenure-track faculty search	2023-2024
Member, Organizing committee for department faculty retreat	2023
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
Co-Chair, Seminar Committee	2020-Present
Member, Awards Committee	2020-Present
Texas A&M University	
Texas A&M University  Member, Research Committee, Texas A&M School of Public Health	2013-2018
Texas A&M University	2013-2018 2010-2011
Texas A&M University  Member, Research Committee, Texas A&M School of Public Health	
Texas A&M University  Member, Research Committee, Texas A&M School of Public Health Reviewer, Association of Former Students' College-Level Teaching Awards	
Texas A&M University  Member, Research Committee, Texas A&M School of Public Health Reviewer, Association of Former Students' College-Level Teaching Awards  Texas A&M Statistics Department	2010-2011

### Texas A&M Biostatistics and Epidemiology Department

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**

Heroic Public Speaking Program, Amy and Michael Port, LLC	2023
Leadership Development Program, Center for Creative Leadership	2023
Racial Equity Institute, ThirdSpace Action Lab	2023
Leadership Development Program, Center for Creative Leadership	2023
Women ADVANCE Leadership Program, UNC Chapel Hill	2022-2023
Grant Foundry Coach Training Program, SciFoundry, LLC	2021-2023
SciFoundry Leadership Program, SciFoundry, LLC	2019-2023
Team Leadership In Research Program, Stefanie Robel Consulting,	2020-2022
LLC	
Research Success Alliance Program, SciFoundry, LLC	2018-2022
Grant Foundry Program, SciFoundry, LLC	2018-2019
Faculty Success Program, National Center for Faculty Development and	2016-2019
Diversity, LLC	

Last updated: November 14, 2023